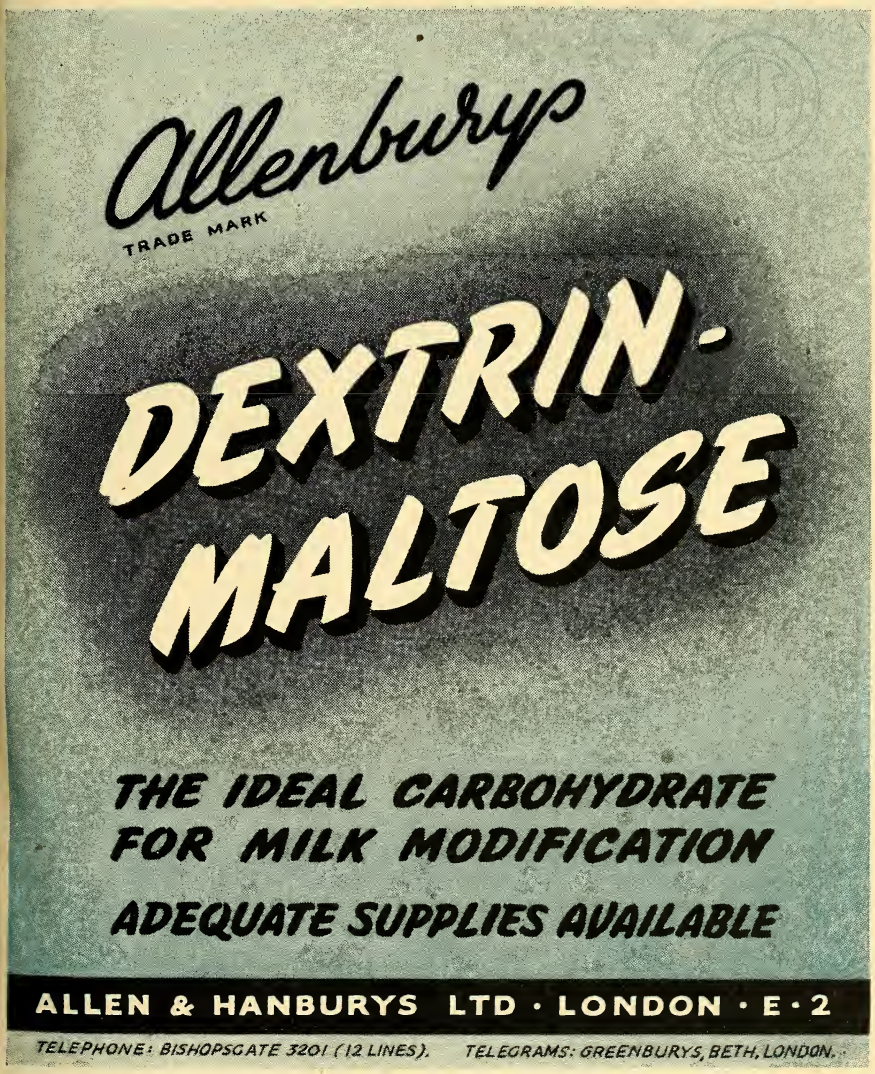
Digitized by the Internet Archive
in 2014

https://archive.org/details/b19974760M3700

The
CHEMIST AND DRUGGIST
for RETAILER - WHOLESALER - MANUFACTURER

JANUARY 3, 1948



Index to Advertisers pp. 5 & 6

A New Parke-Davis Product

CARBRITAL

RAPID HYPNOSIS WITH PROLONGED SEDATION

In 'Carbrital' Capsules the rapid, but relatively brief, hypnotic action of soluble pentobarbitone is combined with the prolonged sedative effect of carbromal, and in insomnia 'Carbrital' produces slumber simulating natural and undisturbed sleep of adequate depth and duration, and patients awaken refreshed and alert.

'Carbrital' is also indicated as a general sedative in neurasthenia, etc; for pre-operative sedation; in obstetrical practice; and routinely in minor operations.

Each 'Carbrital' Capsule contains 1½ grains of soluble pentobarbitone and 4 grains of carbromal. Subject to Schedule 4 Poison Regulations.

Issued in vials of 25 capsules at 6/6 each, plus 1/5½ purchase tax.

PARKE, DAVIS & COMPANY
50 BEAK STREET LONDON W.1
LABORATORIES HOUNSLOW MIDDLESEX INC U.S.A. LIABILITY LTD

Show 'Elasto'—It Sells on Sight!

It's advertised as a Chemist's line



PLEASE NOTE
22/- Pack
(one bottle free)
AGAIN AVAILABLE
see prices below

1/6 D. PROFIT ON EVERY SALE!

'ELASTO' Advertising is Nation-wide and Consistent. An ever-increasing demand for this product is being created at your very door; a slight effort on your part will bring this new and profitable business to your counter. A showcard or a few 'Elasto' cartons displayed in your window will bring most gratifying results. You can recommend 'Elasto' with confidence for all circulatory disorders including Varicose Veins, Bad Leg, Skin Troubles, Rheumatism and poor General Health. A tablet Remedy, easy to handle and reliable.

Recommend 'Elasto'—and a satisfied customer will recommend You!

★ *RETAIL (Including Tax)*	PATA	*WHOLESALE (Including Tax)*
5/6 per bottle (one month's supply)		48/- per dozen
22/- five bottles (Including one free)		192/- per dozen

The NEW ERA TREATMENT CO., LTD.
CECIL HOUSE, HOLBORN VIADUCT, LONDON, E.C.1

A

helping to

SOLVE A DIETETIC DILEMMA

Every pharmacist is well acquainted with those harasse parents whose children are "difficult" over meals. Foo fads can become particularly serious these days when ou normal diet offers so few tempting alternatives .... point ing to the need for a genuinely nourishing tonic such a Ostomalt.

Ostomalt's delicious orange taste and total absence c "fishiness" have established it firmly as a children' favourite. Ostomalt contains the protective vitamins A an D at more than three times the concentration of ordinar cod-liver oil and malt.* It is thus most economical: tea spoonful doses are adequate.

GLAXO

OSTOMALT

*Each fluid drachm contains vitamin A, 1,100 i.u.; vitamin D, 250 i.u.; calcium glycerophosphate 0.375 grain. Concentrated orange juice.

Jars ½ lb. and 1 lb.

GLAXO LABORATORIES LTD., GREENFORD, MIDDLESEX. BYRon 343

EVANS

Lamb Dysentery Serum

FOR THE SPRING LAMBING SEASON

Order your supplies *now* and be ready to meet the heavy demand this spring.

★

Immediate delivery from stock.

★

50c.c. containers 9/3 each (wholesale 74/- per doz.) 100 c.c. containers 16/8 each (wholesale 133/4 per dozen) *exempt from tax.*

Evans Lamb Dysentery Serum, is backed by constant research and can be relied upon to give adequate protection.

Under suitable conditions the serum will retain its full potency for 2½ years from the date of issue.

A new and compelling advertising campaign in the leading farming papers will stimulate the demand.

New advertisement blocks for your own advertising are now available in two sizes and will be sent free on application to the Publicity Department, Speke, Liverpool 19.

There is a rapidly increasing demand for Evans Lamb Dysentery and Pulpy Kidney Serum (Mixed) which affords protection against both diseases.
50 c.c. 13/3½ each (wholesale 87/-* per dozen)
100 c.c. 23/10 each (wholesale 156/- per dozen)
* Prices subject to 33⅓% tax.

MADE IN ENGLAND AT
THE EVANS BIOLOGICAL INSTITUTE
EVANS MEDICAL SUPPLIES LTD
Liverpool and London

177-14/N7



Taking the Lead

We are very glad to announce that once again "The Lead" is being published. It will appear as an eight-page news-sheet, in keeping with these times of austerity, instead of in the colourful magazine format of its pre-war appearance. But otherwise, in intention and in character, it remains unchanged.

"The Lead" will be sent to all Bob Martin stockists and, we hope, will form yet another strand in that bond of goodwill and friendly relations which we try achieve.

Its contents? The latest news Bob Martin products, including Ti articles on trade trends, display matt and "Stock Sense" Stand at the Poul Show; items of general and topical inter about dogs and cats; photographic rep ductions that live up to the Bob Mar standard.

BOB MARTIN LTD. SOUTHPORT LANCS.

PAT

INDEX TO ADVERTISERS

Adelphi Manufacturing Co., Ltd. x
Affined Basic Chemicals, Ltd. 24
Allcock Products, Ltd. 28
Allen & Hanburys, Ltd. Front Cover
Andrews Bros. (Bristol), Ltd. xiv
Arlington Chemical Co. xxx
Asmidar, Ltd. xxxviii
Aspro, Ltd. 29
Atkinsons 39
Ayrton, Saunders & Co., Ltd. 14
Barber Electrical Services, Ltd. viii
Beechams Pills, Ltd. 42
"Belfast Telegraph" xxvii
Bell, John, Hills & Lucas, Ltd. .....Leader Page
Benger's, Ltd. 15
Betalax Co., The xxxi
Billig, J., & Sons, Ltd. xviii
Bio-Colloids, Ltd. xxxii
Bob Martin, Ltd. .....4, xxvi
Boxfoldia, Ltd. xx
Brent, Peter, & Co., Ltd. ...xxvii
British Cod Liver Oils (Hull & Grimsby), Ltd. xxxvi
British Drug Houses, The ... 5
British Dyewood Co., Ltd. ... v
British Surgical Houses, Ltd. xxvi
Britton, Malcolm & Co., Ltd. iv
Brobat Distributors, Ltd. ...xxviii
Brontan, Ltd. 32
Burgoyne Burbidges & Co., Ltd. i
Burrough, James, Ltd. Leader Page
Burroughs Wellcome & Co. ... 43
Busby, Winter & Co., Ltd.... x
Bush, Beach & Gent, Ltd. ... vii

Calthorpe, M., & Co., Ltd....xxxii
Cannon Rubber Manufacturers, Ltd. 8
Carillon Press, Ltd. xix
Carr's Flour Mills, Ltd. 24
Carter's Little Liver Pills ... xxx
Carus, A., & Sons, Ltd. xiii
Chemadin, Ltd. xxxiii
Ciba Laboratories, Ltd. 44
Coates & Cooper, Ltd. xiii
Colman, J. & J. xxvii
Continental Laboratories, Ltd. 32
Cox, Arthur H., & Co., Ltd. Cover iv
Cresswell Bros. & Marks xxi
Crest Laboratories, Ltd. xxxvi
Croda, Ltd. 32
Cussons, Sons & Co., Ltd. Cover iii
Cuticura Preparations 23

Daniel, Richard, & Son, Ltd. 13
Davids, E., & Co., Ltd. ... 30
Davis, R. xxviii
Dearborn (1923), Ltd. 36
Dring, J., Ltd. viii
Duncan, Flockhart & Co..... v
Dunhill, J., Manfg. Co., Ltd. 38
Dunlop Hot Water Bottles ... xv
Edme, Ltd. xxix
Edosan, Ltd. .....x, Leader Page
Electro-Medical Blanket Co., Ltd. xi
English Grains Co., Ltd. 30
Evans, Adlard & Co., Ltd. ... xv
Evans Medical Supplies, Ltd. 3
Fassett & Johnson, Ltd. xiv
Faylene Manufacturing Co....xxxii
Fennings, A. 10
Finley Kale, Ltd. xxxiv
Franks, A., & Bartlett Co., Ltd. xxiii
Freeman, William & Co., Ltd. xi
Freudentheil, Smith & Co. Leader Page
Fulford, G. T., Co., Ltd. ... xxix
Gardiner & Co. (The Scotch House), Ltd. xvi
Gardner, W., & Sons (Glos.), Ltd. xi
Glass Container Co. x
Glaxo Laboratories, Ltd. 2
Graesser, R., Ltd. vi
Graesser Salicylates, Ltd. ii
Hall, Forster & Co., Ltd. Leader Page
Harley, T., Ltd. xviii
Harrington's 30
Harrogate Tablet Co., Ltd.... xxxi
Harwoods Laboratories, Ltd. xl
Hirst, Stuart, Ltd. ...Leader Page
Hobson, Trimble & Co., Ltd. xxx
Indigenous Mnfrs. & Produce (Sales), Co. iv
Influcol, Ltd. xxxiii
International Chemical Co., Ltd. xxxvii
Ioco, Ltd. xii
Irvings Yeast-Vite, Ltd. xxviii

(*continued overleaf*)

Introducing

'VIBELAN'

VITAMIN B COMPOUND B.D.H.

*A **balanced** vitamin 'B' product*

Here is a new vitamin product which will meet a widespread need. 'Vibelan' contains the principal members of the B group in the proportions necessary for effective utilisation of carbohydrates, proteins and fats, and is thus of particular value in those cases of debility and lack of energy so common at the present time.

Four tablets provide the normal daily requirements of the three principal vitamins of the group.

Each tablet contains:—

VITAMIN B_1 0.5 mg.

RIBOFLAVINE 0.75 mg.

NICOTINAMIDE 7.5 mg.

in a yeast extract base.

PRICES:	Retail	Trade
Bottles of 50	5/-	3/4
Bottles of 250	20/-	13/4
Bottles of 1000	70/-	46/8

Not subject to Purchase Tax

THE BRITISH DRUG HOUSES LTD. LONDON N.1

Vib/T/1

INDEX—(cont.)

Jackson, Geo., & Sons, Ltd. xxxviii
Jeffreys, Miller & Co., Ltd.... 30
Jeyes' Laboratories, Ltd. xx
Johns, Son & Watts, Ltd..... xxx

Kearsley, C. & G., Ltd. 32
Kellys, J., (London), Ltd. ... vi
Kenrosa, Ltd. 40
Kerbina, Ltd. xxxvi
Kings of Kingsbury (Sales, Ltd. 34
Knox, John (Stoke-on-Trent), Ltd. 28
Knox Laboratories, Ltd. 21
Koko Maricopas Co., Ltd. ... 40

Lax-Vita, Ltd. xv
Lofthouse & Saltmer, Ltd. ... 10
Luna Inserts, Ltd. xxxv

Macleans, Ltd. 25
Madelox, Ltd. 36
Martin, Bob, Ltd. .....4, xxvi
Matthews, S., & Co., Ltd. ... 22
May & Baker, Ltd. 19
Medico-Biological Laboratories, Ltd. 37
Meggeson & Co., Ltd. xxxix
Menley & James, Ltd. 24
Midgley & Parkinson, Ltd. ... 30
Midland Bank, Ltd. vii
Milner & Coke, Ltd. xxx

National Savings x
New Era Treatment Co., Ltd. 1
Noort, Gerard ii
North Western Labs., Ltd. ... 20

Organon Laboratories, Ltd.... 27
Owbridge, W. T., Ltd. xii
Oxo, Ltd. xxxviii

Parke, Davis & Co.....Cover ii
Pascall Engineering Co., Ltd. vi
Percenta, Ltd. iv
Pharmaceutical Laboratories, Geigy, Ltd. ii
Phosferine (Ashton & Parsons), Ltd. 26
Poplar Glassworks, Ltd. ix
Porosan, Ltd. xix
Porteus, Geo., & Sons (Leeds), Ltd. viii
Potter & Clarke, Ltd. 17
Preemo & Silks Toilet Co.... 38
Prince Regent Tar Co., Ltd. 6
Pure Products, Ltd. xxxiv

Rankin Bros. & Sons Leader Page
Ransom, Wm., & Son, Ltd. 18
Reed, A. Elder, & Co., Ltd. iv
Reliance Rubber Co., Ltd.... xvi
Rendell, W. J., Ltd. xxii
Rentokil, Ltd. xxvii
Reuter, R. J., Co., Ltd. 38
Revai, & Co., Ltd. vi
Riddell Products, Ltd. 26
Robinson & Sons, Ltd. xvi
Roche Products, Ltd. 9
Ronaldson, J., & Co., Ltd.... iv

Salem (Pulverized Tragacanth), Ltd. vi
Selka, Ltd. xiv
Sellotape xvii
Shadeine Co..... 40
Simpkin, A. L., & Co., Ltd. 30
Smith, T. & H., Ltd. iii

Southon Laboratories, Ltd. ...
Spence, Peter, & Sons, Ltd....
Splendor, Ltd. .....xxv, xx
Stanning Proprietaries, Ltd.
Steedman, John, & Co. .....
Sturge, John & E., Ltd. .....
Surgical Equipment Supplies, Ltd. .....
Sutton, W., & Co., Ltd. .....

Tetlow, Henry, Co., Ltd. ...
Therapeutic Developments, Ltd. .....
Thornton & Ross, Ltd. .....
Tintex Dyes x
Tyne Truck & Trolley Co., Ltd. .....

United Chemists Association, Ltd. .....

Vitamins, Ltd. .....

Waide, Thos., & Sons, Ltd....
Ward, Blenkinsop & Co., Ltd.
Warner, W. R. & Co., Ltd....
Watford Chemical Co., Ltd.
Weil's, Dr., Medical Products, Ltd. xx
Wesley, Harold, Ltd. .....
Westminster Laboratories, Ltd.
Whiffen & Sons, Ltd. 11,
Whitakers (Kendal), Ltd.....
Wilcox, Jozeau & Co., Ltd. Leader P.
Wilson & Mansfield, Ltd. .....
Wirebands, Ltd. x
Wrens (Pty), Ltd. .....
Wylies Cleansers, Ltd. x

Zems, Ltd. x

Disinfectants

WORTHY OF YOUR NAME

You can rely on the quality maintained throughout nearly one hundred years of scientific distillation. Obtain your supplies of all types of Carbolic and Pine Fluids for direct dispatch under your own name, if desired, to your Local Hospitals, Councils, Institutions, etc., etc.

Write to-day for details to :

PRINCE REGENT TAR COMPANY LTD.

(Managers, BURT, BOULTON & HAYWOOD LTD.)

Brettenham House, Lancaster Place, London, W.C.2

Telephone : Temple Bar 5801 (8 lines) Telegrams : " Burboul, Rand, London "

"DRUG STORE"
PHARMACY
versus

. . . complete with soda fountain, may appeal to the type of people who would like to see us completely Americanised, or streamline our shopping to the 'multiples.' But for the discriminating who prefer purchasing pharmaceutical products from a
QUALIFIED CHEMIST
there are always

THE Guaranteed PRODUCTS
OF
UNITED CHEMISTS ASSOCIATION LTD
ucal
UCAL WORKS CHELTENHAM

The House of SUTTON

Chemists' Wholesalers and Distributors for 4 Centuries

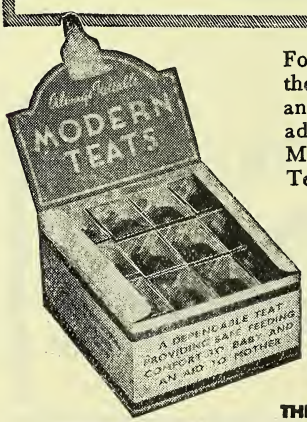
★ PHARMACEUTICAL AND TOILET REQUISITES
★ PROPRIETARY MEDICINES
★ DRUGS AND SUNDRIES
★ FAMOUS FOR THE "SUTTEXA" RANGE
★ SERVICE TO THE CHEMIST EVERYWHERE

AGENCIES undertaken on advantageous Terms

W. SUTTON & CO. DRUGGISTS SUNDRIES LONDON LIMITED
Established 1660
Horseshoe Lane, Enfield, Middlesex
Telephone: Enfield 4747 (10 lines) *Telegrams: Vinaigrette, Enfield*

The SALES APPEAL is in the DESIGN





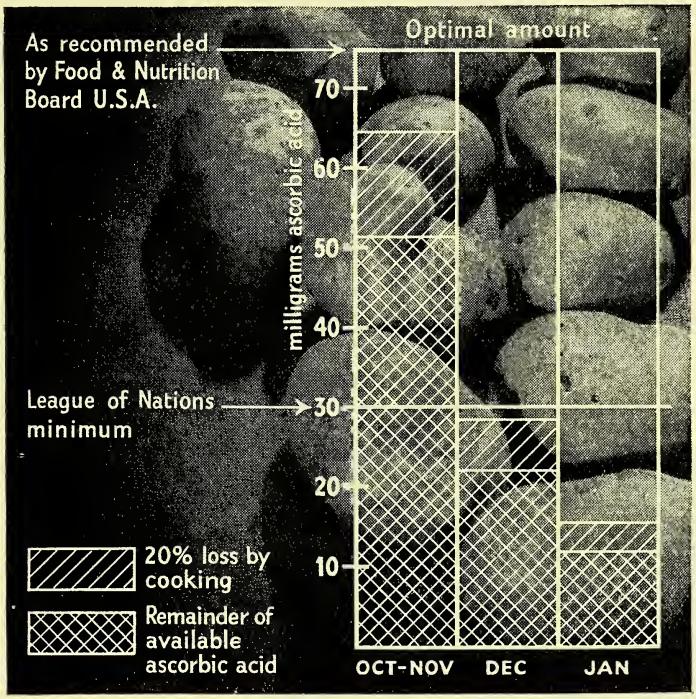
Following widespread acceptance of the new anti-colic design by Nursing and Medical Authorities, extensive advertising support in the National Press and Women's Magazines is rapidly stimulating demand for the "Modern" Teat. Available in attractive counter display outers of three dozen, through wholesalers only. Fixed retail selling price 6d.



The "MODERN" ANTI-COLIC TEAT

THE CANNON RUBBER MANUFACTURERS LTD, LONDON N.

Potatoes and Vitamin C Intake



Vitamin C provided by total rationed foods including potatoes compared with the accepted requirements.

"A question that needs immediate attention is whether the time has now come for the general issue of ascorbic acid tablets . . ."
(*The Lancet*, Nov. 15, 1947, p. 730).

Since the potato is regarded as an important source of vitamin C, the restricted weekly ration of 3 lb. for one normal consumer means a greatly reduced intake, not easily made good during the winter months by alternative vegetables and fruits.

Ample supplies of 'Redoxon' Vitamin C tablets are available at economical rates.

'REDOXON' VITAMIN C

ROCHE PRODUCTS LIMITED, WELWYN GARDEN CITY, HERTS

Scottish Depot: 665 Great Western Road, Glasgow, W.2.

FENNINGS

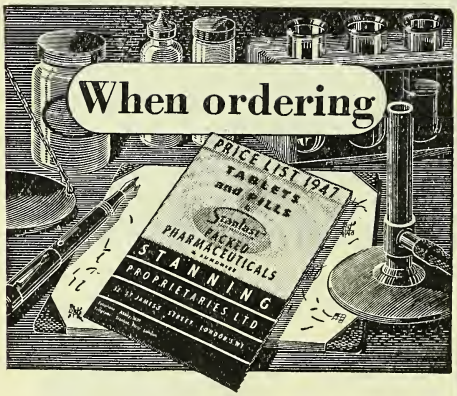
FAMOUS FOR OVER 80 YEARS

P.A.T.A.

FENNINGS' CHILDREN'S POWDERS	**1/6** and **3/6**
Also in 100's and 240's	
FENNINGS' LITTLE HEALERS...	**1/6** and **3/6**
Also **7/-** Carton of 12 Packets, retailing at **7d.** each.	
FENNINGS' FEVER MIXTURE	**1/6**
(If difficult to obtain write direct to Messrs. SUTTON & SONS, 12 Brandon Rd., London, N.7.)	
FENNINGS' ADULT POWDERS	**1/6** and **3/6**
FENNINGS' OINTMENT	**1/3**
FENNINGS' INDIGESTION TABLETS	**1/-** and **2/6**
FENNINGS' RHEUMATIC TABLETS	**2/6**
FENNINGS' WHOOPING COUGH MIXTURE	**1/6**
FENNINGS' SULPHUR POWDERS	**1/6** and **3/6**

Please address orders and inquiries to your Wholesaler

PROPRIETORS : **THE TRUSTEES OF ALFRED FENNINGS (DECEASED)**
COWES, Isle of Wight



—keep the STANNING PRICE LIST handy!

STANNING
PROPRIETARIES LIMITED
32, ST. JAMES'S STREET, LONDON, S.W.1.
'Phone : ABBey 3629. 'Grams : "Stanlast, Piccy, London"

For packed Tablets

Lofthouse & Saltmer LTD
HULL

For bulk Tablets

1897* *one of the most significant dates in Whiffen's long service to Medicine*



* THE FIRST BATCH OF EMETINE IS MANUFACTURED IN THOMAS WHIFFEN'S FACTORY

THERE is a glowing record of adventure, individual effort and research in the story of EMETINE. Beginning in the primeval forests of Brazil where the Ipecacuanha root is found, the story distinguishes the names, first of Pelletier and Mafendie who, in 1817, discovered the presence of EMETINE in this root, and then of Paul and Cownley, who were the first workers to isolate EMETINE in a pure form.

As a result of their close association with these noted analysts, Whiffens commenced the manufacture of this important alkaloid in 1897.

A further far-reaching discovery was made in 1912 by Dr. (Sir) Leonard Rogers who proved EMETINE's great specific value in the treatment of Amoebic Dysentry.

From this date onward EMETINE gained greatly in importance and as a result, output, which had only been a few ounces in 1898 and a few hundred ounces in 1913, increased ten fold. It proved of immense service to our armed forces serving in tropical and sub-tropical areas during the two world wars.

WHIFFEN & SONS LTD. { CARNWATH RD., FULHAM, LONDON, S.W.6. *Tel.:* RENown 3416. *Grams.:* Whiffen, London

STEEDMAN'S POWDERS

(REVISED PRICES DUE TO INCREASED PURCHASE TAX)

NEW PRICES TO THE PUBLIC

TWO POWDERS *for* 3½D.

SINGLE POWDERS 1¾D.

WHOLESALERS' PRICES TO RETAIL TRADE

3/6 size (27 powders) Per doz. **24/6** Plus Purchase Tax **8/2**

14/- „ (108 „) „ **98/-** „ „ „ **32/8**

(*for Broken Bulk Trade*)

BEST MANUFACTURERS' PRICES

DIRECT FROM MANUFACTURERS

CASH WITH ORDER

(Minimum Order £4 4 0 - - - - Purchase Tax Extra)

3/6 size (27 powders) Per doz. **21/-** Plus Purchase Tax **8/2**

14/- „ (108 „) „ **84/-** „ „ „ **32/8**

To-day's Popular Direct Order

(FOR BROKEN BULK TRADE)

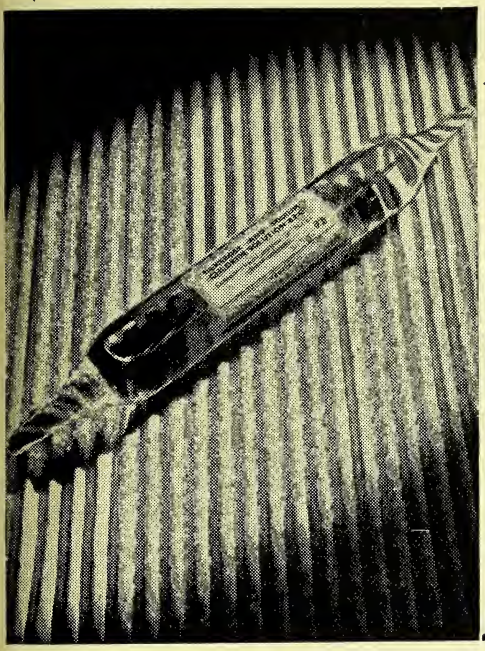
	£	s.	d.
1 doz. **14/-** size	**4**	**4**	**0**
Purchase Tax	**1**	**12**	**8**
Cash with Order	**5**	**16**	**8**

The above prices and terms do not apply to Northern Ireland

P.A.T.A.

JOHN STEEDMAN & CO.

272 WALWORTH ROAD, LONDON, S.E.17



Emergency demands Reliability . .

When emergency calls for intravenous therapy, purity and reliability of medicament are of paramount importance. Our long experience in hypodermic pharmaceuticals enables us to offer products of constant dependability.

Richard Daniel & Son Ltd. Derby

MANUFACTURING CHEMISTS
ESTABLISHED 1860 · DERBY 4266-8



Are you a Realist?

There may be good reasons behind ultra-modern sculpture but we are more concerned with a realistic approach to the practical art of good printing. And we've learnt a lot about it in our 70 years of printing service to all branches of industry and especially to the medical and pharmaceutical professions. Why not benefit by our wide knowledge of your needs ? When you plan your next brochures, showcards, cartons, labels, etc., let us advise you. We'll be happy to assist in every way.

THOMAS WAIDE & SONS LTD
KIRKSTALL HILL, LEEDS, 5

Print Specialists for over 70 years

AYRTONS FOR PENICILLIN

PENICILLIN CREAM

No. 1 MAKING SET (The Original) ANHYDROUS
Per Set (to make 6 pots) ... **6/-** *Penicillin (100,000 units)* ... **1/-**

No. 2 MAKING SET. HYDROUS
Per set (to make 4 pots) **8/-**

No. 3 DAILY POSTAL SERVICE. Penicillin Cream B.P. freshly made and posted immediately. *Per ounce, post paid* **2/-**

PENICILLIN SOLUTION TABLETS.
Each tablet 12,500 units — *Tubes of 8* ... **2/-.** *Bottles of 80* ... **15/6**
„ „ 10,000 „ — „ *10* ... **2/-.** „ *100* ... **15/6**

CHLOROCRESOL SOLUTION 0·05% for the preparation of Aurist, Guttae and Narist PENICILLIN. *Each*—4 oz. ... **2/-.** 10 oz. ... **3/-.** 20 oz. ... **4/-**

PENICILLIN OINTMENT B.P.
1 oz. tubes or jars ... *per doz.* **16/-** *2 oz. jars* ... *per doz.* **30/-**

PENICILLIN EYE OINTMENT. *1 drachm tubes* ... ... *per doz.* **10/-**

PENICILLIN LOZENGES B.P. *20's* ... ... *per doz.* **9/-**

PENICILLIN SNUFF "AYRTON" contains 10,000 units, Calcium Salt per gramme in a mentholised base. Packed in press-cap snuff tins containing *70 grains* ... ... *per doz.* **20/-**

PENICILLIN WITH STERILIZED POWDER SULPHATHIAZOLE.
5,000 units Calcium Salt per gramme.
Each — ¼ oz. ... **2/3** ½ oz. ... **4/-** 1 oz. ... **7/-**

AYRTON SAUNDERS & CO. LTD. LIVERPOOL

Cardophylin

TRADE MARK
(THEOPHYLLINE-ETHYLENEDIAMINE)

VASODILATOR · RESPIRATORY STIMULANT · DIURETIC

Cardophylin is a drug of outstanding value in the treatment of diseases of the Cardiovascular system, respiratory disturbances and œdema.

Supplied in :—

TABLETS for oral use, each tablet containing 0.1 g. In tubes of 20 and bottles of 100 and 250.

AMPOULES for intravenous injection, each containing 0.24 g. in 10 c.c. In boxes of 5 ampoules.

AMPOULES for intramuscular injection, each containing 0.48 g. in 2 c.c. In boxes of 6 ampoules.

SUPPOSITORIES, each containing 0.36 g. In boxes of 10 Suppositories.

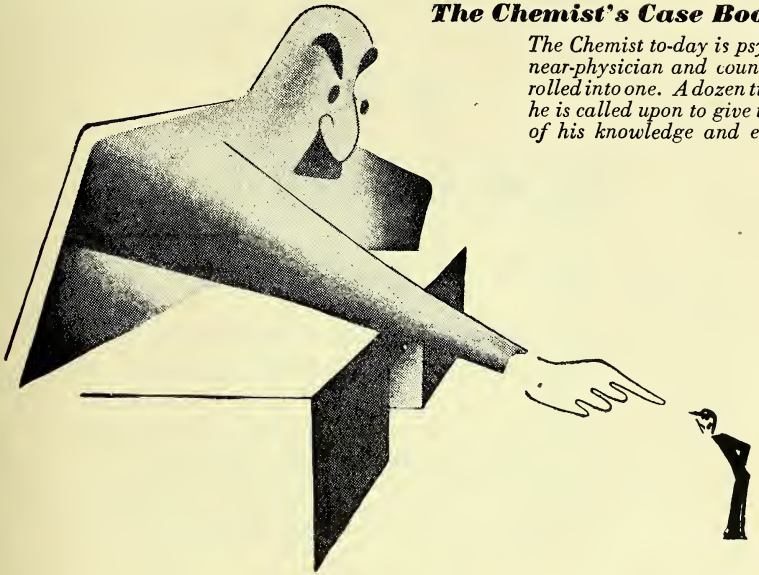
OBTAINABLE FROM YOUR USUAL WHOLESALE SUPPLIERS

Manufactured by

WHIFFEN & SONS LTD · CARNWATH RD · FULHAM · LONDON · S·W·6

The Chemist's Case Book.

The Chemist to-day is psychiatrist, near-physician and counsellor, all rolled into one. A dozen times a day he is called upon to give the benefit of his knowledge and experience.



'Nerves'

Even where a nervous debility is not directly caused by dyspepsia it reacts on the digestive organs and so aggravates the condition. A course of Benger's Food every night for a month, as every Chemist knows, soothes the stomach because the Food, being partially pre-digested, the digestion is given a chance to rest and recuperate. The calm sleep which Benger's Food induces soothes the nerves. Often the Benger's Food is the only form of nourishment the nervous type can assimilate. Benger's Food can be a steady and continuous sale if the Chemist will remember to recommend it.

Benger's Food

Important!

Benger's Food is not to be confused with ordinary bed-time drinks. It is a partially pre-digested milk *food*. Benger's to-day is as easy to make as a cup of cocoa.

BENGER'S LTD., HOLMES CHAPEL, CHESHIRE

«W B»

SULPHONAMIDES

SULPHADIAZINE 0·5 gm. tablets: Containers of 100, 500 and 1,000.

SULPHAGUANIDINE 0·5 gm. tablets: Containers of 20, 50, 100, 250, 500 and 1,000. Powder: Containers of 25, 100 and 250 gm.

SULPHATHIAZOLE 0·5 gm. tablets: Containers of 100, 250, 500 and 1,000. Powder: Containers of 100 and 250 gm.

STERAMIDE (Sulphacetamide) 0·5 gm. tablets: Containers of 20, 50, 100, 250, 500 and 1,000. Powder: Containers of 50, 100, 250 and 500 gm.

STERAMIDE SODIUM (Sulphacetamide Soluble) Powder: Containers of 50, 100, 250 and 500 gm. 10% Solution: Bottles of 25 c.c. (pipette) 100, 250 and 500 c.c. 30% Solution: Bottles of 25 c.c. (pipette) 100, 250 and 500 c.c., Boxes of 5 x 2 c.c. amps.

STERAMIDE NASOPHARYNGEAL SOLUTION 10% Bottles of 1 fl. oz.

STERAMIDE OINTMENT 10% Tubes containing 1 drachm.

STERAMIDE OINTMENT VITAMINISED. Contains 6% sulphacetamide soluble and 10% cod liver oil. Tubes containing 1 drachm.

Prices and literature available on request.

WARD. BLENKINSOP & CO LTD

Trade Mark

6 Henrietta Place, London, W.1. Telephone: LANgham 3185. Telegrams: Duochem, Wesdo, London

Ⓟ61

LONDON'S COATS OF ARMS



Shoreditch

The Borough Council adopted its own device consisting of the arms of John de Northampton, namely two golden Lions with one head, on a red ground.

John de Northampton was Lord Mayor of London in 1381-82 but died after being imprisoned in Tintagel Castle in 1397.

One of the Borough's chief claims to fame was its possession of the Britannia Theatre, which achieved great popularity during the life of Mrs. Sarah Lane, when it was visited by Charles Dickens and Henry J. Byron. In fact, it is suggested that the Borough has been the cradle of the English theatre and to have had the honour of giving Shakespeare his first stepping-stone to the London stage.

The motto is " More light, more power."



EXTRACTS

FOR ALL PURPOSES

* * * *

CONCENTRATED NON-ALCOHOLIC SOFT EXTRACTS FOR MAKING INFUSIONS · DECOCTIONS · TINCTURES · LIQUID EXTRACTS · ETC.

* * * *

MEDICINAL RESINS · OLEO · RESINS · RESINOIDS · TINCTURES

RANSOM'S

SPECIALLY PREPARED

SOLUBLE EXTRACTS

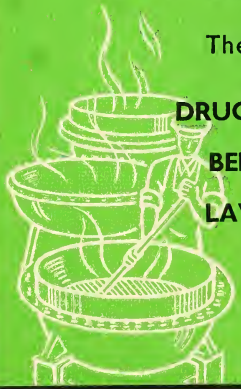
PRESENT THE FOLLOWING ADVANTAGES

These extracts are readily soluble and the resulting solutions need no filtration

They contain no spirit

Occupying less volume than the corresponding liquid product they economise in freight space

They were first put on the market by ourselves



DRUGS GROWN ON OUR OWN FARM INCLUDE

BELLADONNA HENBANE FOXGLOVE

LAVENDER CHAMOMILE PEPPERMINT

HEMLOCK LETTUCE



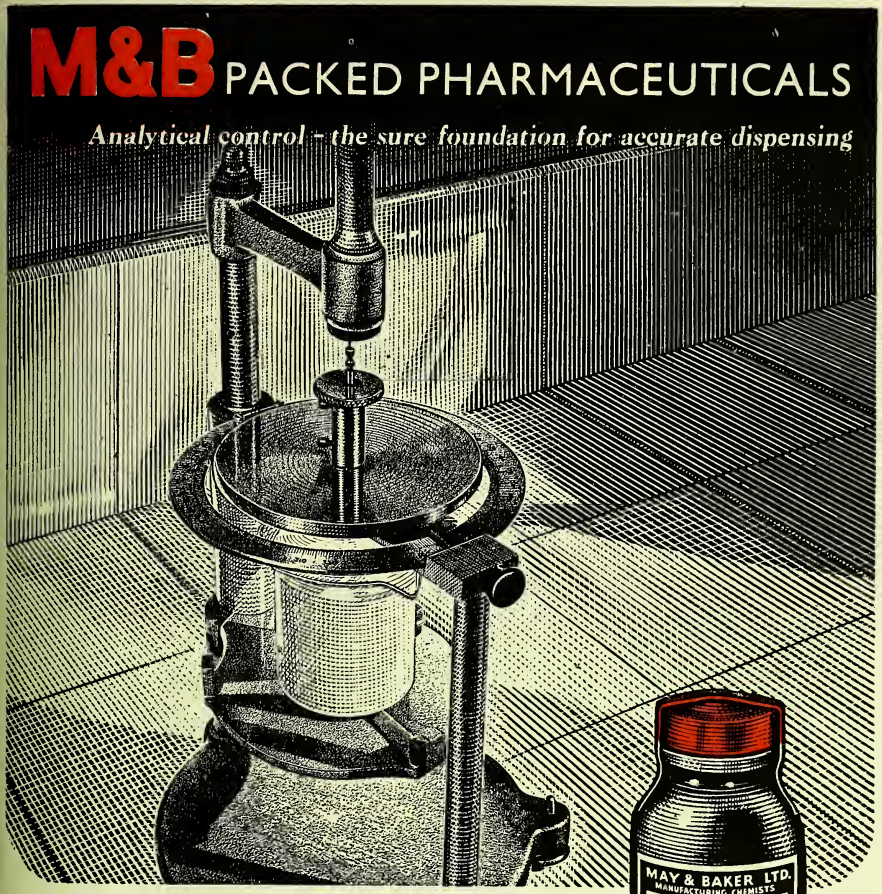
ESTABLISHED  1846

WILLIAM RANSOM & SON LTD.

Growers of medicinal plants for over a century

M&B PACKED PHARMACEUTICALS

Analytical control - the sure foundation for accurate dispensing





In the Analytical Control Division at Dagenham, an unceasing watch is kept over the quality of every M & B product. A highly qualified staff fully equipped with modern apparatus ensures the unvaryingly high standard of every pharmaceutical which reaches the practising pharmacist in the distinctive red-capped bottle bearing the M & B label.

MAY & BAKER LTD. DAGENHAM

Wholesale distributors throughout the country

CH 3024



Introducing

Gay-Venture

The New **BEAUTY PREPARATIONS**

produced in our own model factory under scientifically controlled conditions. These high-class beauty preparations are already established in the world's markets, and supplies are now available in limited but regular quantities for the home market.

Range Includes:

Foundation Cream
Make-up Base
Cleansing Cream
Lipsticks
Face Powders
Etc. Etc.

Enquiries invited

NORTH WESTERN LABORATORIES LTD.

TOWNLEY LODGE, HANSON ST., MIDDLETON, LANCASHIRE

Sole Selling Agents: Gay-Venture Beauty Preparations, Ltd., 78, King Street, Manchester.

The Knox Policy

The policy of the Knox Laboratories Ltd., has always been one of creating product confidence by giving users an assurance of satisfaction.

Today, in the National and Provincial Newspapers, in the wide range of Periodicals and Magazines, on the Posters in Trains, Buses and on Station Platforms—in fact in all our Nation-wide advertising the substance of following guarantee of honest trading and straightforward dealing appears.

MAKE THIS TEST

To prove that Cystex may be the very medicine you need to put you on the road to better health than you have had for a long time, get Cystex from your chemist today, price 1/7. This will enable you to see how quickly Cystex gives relief and benefit to health. If difficult to obtain, write giving chemists' name and address to Knox Laboratories Ltd., 29 Duke St., St. James's, London, S.W.1.

Both Cystex and Mendaco are considered of great therapeutic value; do all that is claimed for them, and act quickly. That is why these medicines are so often recommended by one sufferer to others.

Supplies through your usual Wholesaler.

Cystex
THE KIDNEY TONIC
For KIDNEYS, BACKACHE
RHEUMATISM

Mendaco
For ASTHMA
BRONCHITIS, HAY FEVER

KNOX LABORATORIES LTD.,
29 DUKE ST., ST. JAMES'S, LONDON, S.W.I
Phone: Regent 4562



SAMARITAN *Ointments*

are again freely available in a wide range of titles including Chilblain, Lanoline, Wintergreen, Zinc and other B.P. and B.P.C. formulæ. Several exclusive prescriptions are also included in the series.

●

Prices and Samples on application.

TR.132

THORNTON & ROSS LIMITED
Manufacturing Chemists
LINTHWAITE · HUDDERSFIELD.

Nearly Five times the Profit
FOR ONE-SIXTH OF THE TROUBLE

The 26/5 size 'Curicones'—the FULL treatment—is the size your customers ask for. This choice is wise both from their point of view and your own.

YOU ENJOY THESE ADVANTAGES BY STOCKING THE CURICONES 26/5 SIZE

1. You make nearly five times the profit for one-sixth of the trouble. (The 26/5 size contains six times the quantity of the 5/6 size).

2. You sell the equivalent of six bottles of 'Curicones' at one sale—and thus avoid the customer buying only one bottle from you, and the other five bottles elsewhere.

3. Your turnover is quicker. Time is saved.

4. You are cementing goodwill. Obstinate cases of Rheumatic affliction yield to the full course of 'Curicones.'

ORDER A ½ DOZ. FROM YOUR WHOLESALER TO-DAY—and satisfy your customers.

CURICONES

for the relief of P.A.T.

RHEUMATISM *and* KINDRED ILLS

Remember 'Curicones' is a P.A.T.A. Line showing 33⅓% profit, nationally advertised and recommended by the medical profession. Showcard sent on request.

Large Size **26/**

STEPHEN MATTHEWS & COMPANY LIMITED
19/21 FARRINGDON STREET, LONDON, E.C.

SOAP
SHAVING STICK
OINTMENT
TALCUM



—for Sensitive Skins!

302

THE RECONSTRUCTIVE TONIC
that's always in demand

The reputation of Neuro Phosphates as an ideal reconstructive tonic is world-wide. It is constantly being prescribed for the overworked, the convalescent, and the constitutionally delicate. In these days of strain it is in ever-increasing demand; the supply position has now improved and we can meet all reasonable requirements.



8-oz. bottles
Trade Price
38/7 per doz.
plus 6/5 purchase tax
Retail Price
4/10 each
inc. purchase tax

NEURO PHOSPHATES
ESKAY BRAND
MENLEY & JAMES LTD.
123 Coldharbour Lane, London, S.E.5

For Smith, Kline & French Laboratories

NT.1

C.V.B
CARR'S VITAMIN B_1
PREPARED WHEAT GERM

A RICH SOURCE OF VITAMIN B_1

Eaten as a cereal or sprinkled on other cereals, stewed fruit, etc.

ONLY FROM CHEMISTS
3/- per large (14 oz.) packet

TRADE:
27/- doz. *Net Delivered* **Case of 2 doz. 54/-** *Case 3/- returnable*

IN VERY SHORT SUPPLY AND ON QUOTA

CARR'S FLOUR MILLS Ltd., CARLISLE

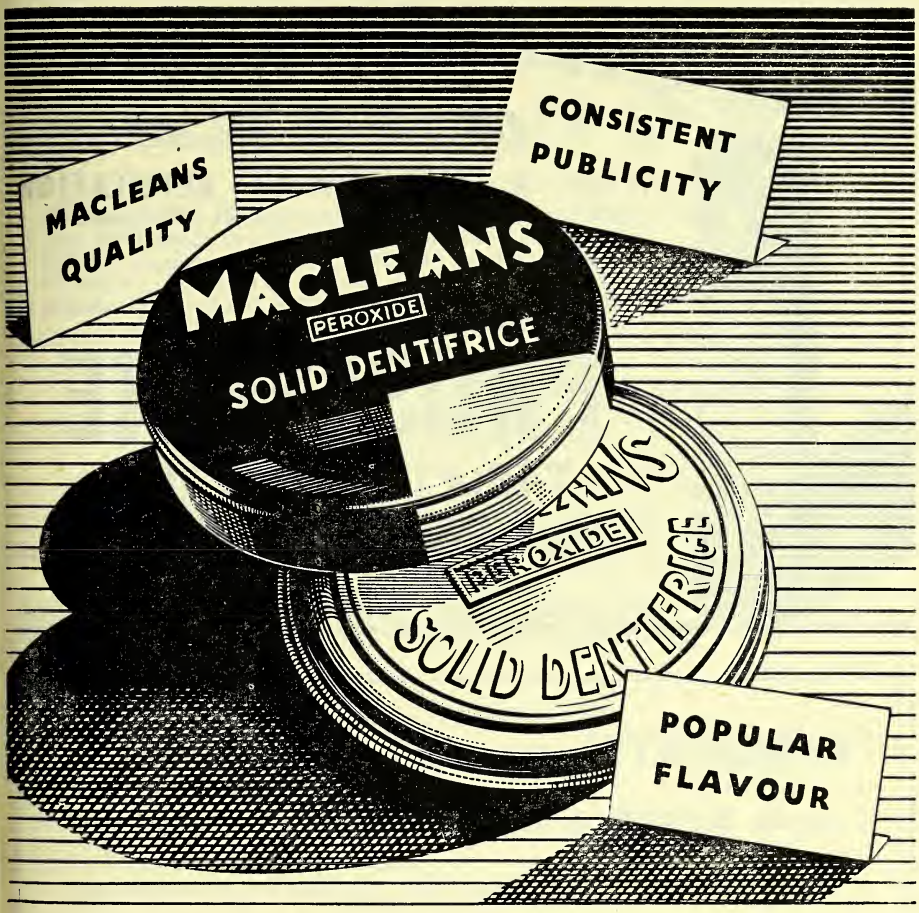
BY THE MAKERS OF
MALTO BAR

SOUND VALUE
GENEROUS DISCOUNTS



Also Peppermint Tablets
Minettes (throat antiseptic pellets)

Wholesale and Retail Enquiries to :
AFFINED BASIC CHEMICALS LTD.
Empire Works, Desborough Road, High Wycombe, Bucks.
Telephone : HIGH WYCOMBE 2266/7/8. (c.)



THE SOLID FAVOURITE

This attractive tin with its solid background of quality, popularity and publicity is a regular source of income to the stockist.

Retail Price: 10d. per tin. P.A.T.A.

MACLEANS LTD., GREAT WEST ROAD, BRENTFORD, MIDDX.

Phone: Ealing 6616. Wires: Macleans, Brentford.

The Greatest of All Tonics—



WITH A WORLD-WIDE REPUTATION

The familiar Phosferine pack has won for itself an enviable world-wide goodwill. It has only to be shown to be sold. And the sales of Phosferine prove how adequately "The Greatest of all Tonics" lives up to its claims. Make the most of the wonderful popularity of Phosferine by ensuring that your stocks are adequate to meet the demand.

PHOSFERINE

TABLETS and LIQUID

The Registered Trade Mark "Phosferine" is the property of PHOSFERINE (ASHTON & PARSONS) LIMITED.

Retail Prices: **1/6 and 3/8 including Purchase Tax**

Sole Distributing Agents in the United Kingdom:
BEECHAMS PILLS LIMITED, ST. HELENS, LANCS

CHEMISTS! 42% profit is shown on many of the popular **RIDDELL** Asthma Inhalers. The initial sale means constant repeat orders for the leading preparation

ASTHMA RIDDOBRON INHALANT

the standard treatment for the relief and prophylaxis of all **allergic** conditions of respiration.

RIDDELL PRODUCTS LIMITED
AXTELL HOUSE, WARWICK ST., LONDON, W.1
and Manchester: 12 Mosley Street

PATA

ORGANON

Complete Range of Standardised Hormone Products

ŒSTROGENIC

Œstrone	Menformon
Œstradiol Benzoate	Dimenformon
Œstradiol Dipropionate	Dimenformon Dipropionate

ANDROGENIC

Testosterone and its propionate	Neo-Hombreol
Methyl Testosterone	Neo-Hombreol (M)

PROGESTOGENIC

Progesterone	Progestin
Ethisterone	Progestoral

ADRENAL CORTEX HORMONE

Deoxycorticosterone acetate	Doca

GONADOTROPHINS

Chorionic Gonadotrophin	Pregnyl
Serum Gonadotrophin	Gestyl

THYRO-GONADOTROPHIN

Extract of Anterior Pituitary	Ambinon

CORTICOTROPHIN

Adrenocorticotrophic	Cortrophin

Available in all appropriate pharmaceutical forms and strengths

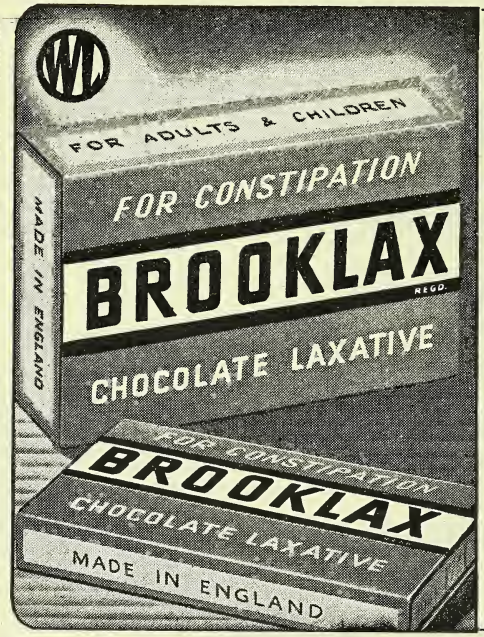
Full list of packings and prices on request.

ORGANON LABORATORIES LTD.

BRETTENHAM HOUSE, LONDON, W.C.2

TEMple Bar 6785 (4 lines) MENFORMON, RAND, LONDON

AGENTS THROUGHOUT THE BRITISH EMPIRE AND MOST OVERSEAS TERRITORIES



IMPORTANT!

18 Tablet size...*now available!*

In packs of 6 and 18 tablets
New Retail Prices **7½d. & 1/6**
Trade per doz. **4/- & 10/-**
Plus Purchase Tax

WESTMINSTER LABORATORIES LTD.
Chalcot Road, London, N.W.1
Telephone : PRImrose 3395/6/7.

PATA

FREE DISPLAY CARDS

for your stock of

NAILOID

A limited supply of the small Display Cards which are normally attached to every Nailoid jar are now available free to Pharmacists and Wholesalers who may hold stocks of uncarded Nailoid.

Just send us a postcard stating quantity of cards required and we will dispatch post free.

Nailoid is being supplied through the Wholesale trade as and when supplies are available. NATIONAL ADVERTISING, consistent with our limited Toilet Quota, is now appearing in National Newspapers and will continue in the Women's Magazines during 1948.

Allcock Products Limited, Birkenhead

1948

SINCERE GREETINGS and BEST WISHES to all PHARMACISTS for a HAPPY and PROSPEROUS NEW YEAR

JOHN KNOX
Stoke-on-Trent & Birmingham

INCREASED PURCHASE TAX



THE NEW 'ASPRO'

PRICES TO THE PUBLIC ARE:

One tape of 5 tablets 4D

Two tapes (10 tablets) 7½D

Packet of 27 tablets 1'5

When your wholesaler supplies you at the new rate of Purchase Tax you will be charged :

5's—2/1 per dozen, plus Purchase Tax—8½d.
New Total Price 2/9½

27's—10/- per dozen, plus Purchase Tax—3/4
New Total Price 13/4

So that you should be in no doubt and uncertainty regarding the new prices, we despatched to you an urgent notice giving the above information. We hope that the early receipt of this proved of help and service to you.

A vast national campaign is advertising 'ASPRO'—a great public is buying 'ASPRO'—so your 'ASPRO' window display brings you the full benefit of this campaign, brings you the purchases of this great public. Be assured that in any difficulties and emergencies we shall always be on the alert to act as quickly as possible IN YOUR INTERESTS. We never forget that

Your Success is Our Success!

P.A.T.A.

Made by ASPRO LIMITED, SLOUGH, BUCKS

ASPRO

Supplementary Budget

PRICE INCREASES of Simpkins Products

	Retail	Wholesale
Medications	5d. per ounce	3/6 per lb. plus ⅓ tax =1/2
Packed Lines		
Pastilles	1/8 per tin	10/9 per doz. plus ⅓ tax=3/7
in tins		
Lozenges	1/8 per tin	10/9 per doz. plus ⅓ tax=3/7
in tins		
Liquorice & Menthol Pellets	1/1½ (skillets)	11/- per carton of 24 plus ⅓ tax=3/8
ditto (tins)	8½d.	9/3 per carton of 24 plus ⅓ tax=3/1
V.S.P.	2/- per tin	13/- per doz. plus ⅓ tax=4/4. 3 doz. (13 to doz.) @ 13/- per doz. plus ⅓ tax on 3¼ doz. =14/1
		1 gross (14 to doz.) @ 13/- per doz. plus ⅓ tax on 14 doz.=£3/0/8
Rhumuv Capsules	3/10	24/- per doz. plus ⅓ tax=8/-
	7/2	45/- per doz. plus ⅓ tax=15/-
Medophyll Tablets	5/6	36/- per doz. plus ⅓ tax=12/-

Simpkins of Sheffield

Selling the truth

THE Medical profession is giving yeast its true status as an essential source of Vitamin B and proteins—as a *food* and not a mere pick-me-up. Yestamin advertising helps to spread this truth and the nation-wide sales of Yestamin show that daily yeast is recognised as an important contribution to the health value of a restricted national diet.

In Bottles	*to retail at*	*Trade Prices*
100 TABLETS	**1/6**	**12/3 PER DOZ.**
300 TABLETS	**4/-**	**33/- PER DOZ.**

Less 5% Cash in 14 days

Vitamin B.1..... 2.10 *mgms. per oz.*
Riboflavin (B.2)..... 1.45 *mgms. per oz.*
Niacin..... 9.50 *mgms. per oz.*

Yestamin DAILY YEAST

THE ENGLISH GRAINS CO. LTD. BURTON-ON-TRENT

GROUND
DRIED YEAST
MIDGLEY & PARKINSON, LTD.
WARREN WORKS, PUDSEY, LEEDS

HARRINGTONS *Brand*
ASPIRINS
7½ & 5 grain Packed 10's to 1,000's
HOME AND EXPORT
London Office: 2 BERRIDGE Grn., EDGWARE, LONDON

MILLAMALT

The VITAMIN MALT FOOD

Sole Manufacturers With Vitamins (A. 6,500 I.U., D. 400 I.U.) per fl. oz.
JEFFREYS, MILLER & CO. Ltd. Leyland Mills, WIGAN. London Dept.: 19 Brookside Rd., N.

MARION MOORE'S



SUPPLIES AVAILABLE TO EVERY CHEMIST

and the time of year when everyone needs it. You cannot have enough. MARION MOORE'S Witch Hazel Jelly containing Glycerine and Lemon Oil so keep ordering and we will do our best.



Sole distributors:
E. DAVIDS & CO., LTD.
378 ESSEX ROAD, LONDON, N.1. Tel.: CLissold 5571

Retail price .....1/8 per tube
Wholesale .....7/- per doz.
Plus 125% P.T.

Make Window Displays Now





ESOBACTULIN, the modern scientific product for protection against colds, is being advertised to millions of potential customers. The complete course, consisting of 6 capsules taken over 5 days, is designed to give 3 months' immunity from Colds.

Complete Course 6/9 plus 1/6 P.T.

Good profits — 33⅓% discount, plus special bonus of 13 to the dozen.

Supplied through all C.F Wholesalers

Attractive display stands and pocket calendars for counter distribution available on request.

P.A.T.A.

ESOBACTULIN
PROTECTION AGAINST COLDS

A product of
SOUTHON LABORATORIES LTD., UPPER RICHMOND ROAD, LONDON, S.W.15

THE NEEDS OF PREGNANCY

While the need for dietary supplementation is sometimes questioned, the only reliable way of assessing its value is by statistical examination of the results of large scale controlled clinical trials. An investigation involving records of over 5,000 pregnant women attending 10 London hospitals showed that the incidence of toxæmia in primigravidæ given vitamin and mineral supplements was significantly less than among untreated controls.

The formula of Pregnavite was designed specifically to make good the dietary deficiencies revealed by the early surveys and has proved most useful in obstetric practice.

PREGNAVITE

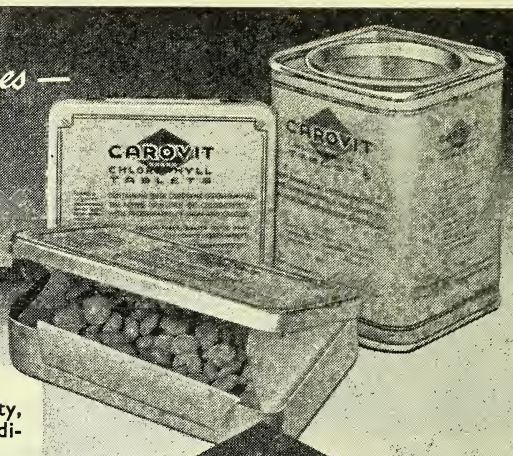
A *single* supplement for safer pregnancy

The recommended daily dose provides:					
vitamin A	2,000 i.u.	vitamin E	1 mg.	iodine	not less than 10 p.p.m. each
vitamin D	300 i.u.	nicotinamide	25 mg.	manganese	
vitamin B_1	0.6 mg.	calcium	160 mg.	copper	
vitamin C	20 mg.	iron	68 mg.		

Bottles of 120 tablets (20 days' supply) 6/-.
Per dozen bottles 49/-.

Vitamins Limited
Upper Mall, London, W.6

In these trying times —



INDICATIONS
General fatigue and debility, hypertension, infective conditions, night blindness.

PACKINGS AND PRICES
100 tablets 3/4½
300 tablets 9/6
(Including Purchase Tax) P.A.T.A. *List*

CAROVIT BRAND CHLOROPHYLL TABLETS

CONTINENTAL LABORATORIES LTD.
101 Great Russell St. LONDON, W.C.1
Telephone: MUSeum 2042-3

Last Summer
BRONTAN SUN TAN CREAM
had big Sales

Your holiday-making customers were delighted with Brontan Sun-Tan Cream. Now, they'll be ready to try other Brontan products if you show them and talk about them.

This Winter - do well again with **ANN ROSE** *Twins*

—also in the Brontan family— Ann Rose Beautifying Complexion Powder and Ann Rose Vanishing Cream. Both are fine, chiffon-soft and delicately perfumed. Attractively boxed, the powder sells in four popular shades, retailing at 3/- and 4/4½ (incl. P.T.). The Vanishing Cream, in neat, handy jars, is 2/3½ (incl. P.T.).

BRONTAN (regd.) Ltd., 1 Broad St. Buildings, Liverpool St., E.C.2. Phone: BIShopsgate 6383

EOSOL
TETRAHYDROFURFURYL ACETATE
the new lipstick solvent

CRODA LTD SNAITH. GOOLE. YORKS

SURE-SELLING STOCK!
OVER 150 YEARS REPUTATION
KEARSLEY'S
THE ORIGINAL
WIDOW WELCH'S FEMALE PILLS

9d. BOX PROFIT by ordering 1 dozen 3/3½ size. Bonus box given on every dozen (13). It pays to push this size.

C. & G. KEARSLEY LTD.
71 Dartmouth Rd., London, S.E.23
Est. 1787 in the Reign of King George II

Introducing

A NEW COMBINED ANTIPEPTIC THERAPY

Following extensive work by the Warner Research Staff and after stringent clinical trials, we are pleased to announce the introduction of GELUSIL*, a new combined antipeptic preparation showing a distinct advance in antacid therapy.

In recent years, ordinary aluminium hydroxide gels and magnesium trisilicate have deservedly taken the foremost place in the treatment of peptic ulcer. Used separately, they have many advantages — and some disadvantages. GELUSIL combines, in one tablet, the undoubted therapeutic virtues of both drugs while obviating their drawbacks.

SUPPLIES: Boxes of 50 tablets individually wrapped in moisture-proof cellulose film.

RETAIL PRICE	LIST PRICE
4/- (including P.T.)	*28/6 per dozen (plus 9/6 P.T.)*

*Trade Mark Reg.

GELUSIL

William R. **WARNER** *and Co. Ltd.*

POWER ROAD, LONDON, W.4



TO RELIEVE COLDS

PILLODINES mobilise and set in motion the natural body resistance.

PILLODINES 'make up' the serious Iodine deficiency from which large numbers of people are suffering to-day.

PILLODINES were evolved after years of scientific research in the internationally famous pharmaceutical laboratories of R. Shering. Pillodines have been the subject of organised tests providing evidence of their efficiency.

PROFIT OVER 55%

Write for full trade terms

WATFORD CHEMICAL Co L

30 BAKER STREET · LONDON · W

Telephone: Welbeck 0264/8

Telegrams: Watchempro, Wesdo, Lond

OATREX
new prices

	To Wholesaler (per doz.)	To Retailer (per doz.)	To Consumer (per tin)
FINE *(red label)*			
1-lb. tin	15/5	17/7	1/10
2-lb. ,,	29/5	33/7	3/6
MEDIUM *(green label)*			
1-lb. tin	14/9	16/10	1/9
2-lb. ,,	28/-	32/-	3/4

Medium - 4 points per lb.
Fine - - No points.

Prepared from the finest Scottish Oats

Enquiries to Kings of Kingsbury (Sales), Ltd., 1. London Bridge. S.E.1.

KING'S PATENT PRE-COOKED OATMEAL

Wren's (PTY) LTD.

MANUFACTURERS' REPRESENTATIVES AND WHOLESALE DISTRIBUTORS

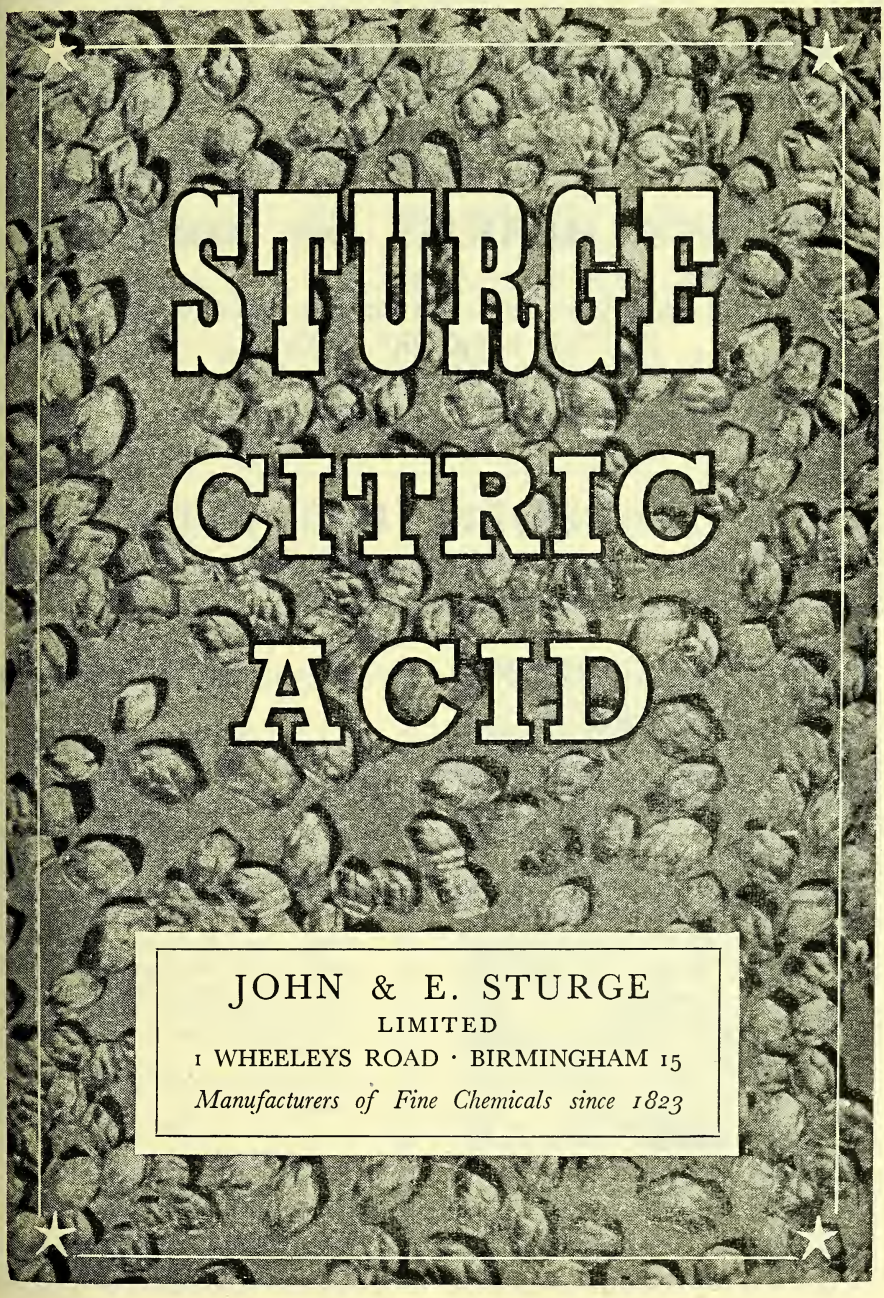
P.O. BOX 1689 JOHANNESBURG

SOUTH AFRICA

Sole Distributors and Stockists for REVLON EXPORT Corp., NEW YORK, also VIV Pharmaceuticals Ltd., WINCHESTER, England, etc.

SEEK REPRESENTATION for non-competitive Agencies in TOILET, PATENTED and PROPRIETARY PREPARATIONS for the UNION of SOUTH AFRICA, Northern & Southern Rhodesia, Portuguese East Africa, S.W. Africa and Nyassaland.

For all our Purchases cash payments in London


STURGE
CITRIC
ACID
JOHN & E. STURGE
LIMITED
1 WHEELEYS ROAD · BIRMINGHAM 15
Manufacturers of Fine Chemicals since 1823

MERCOLIZED WAX

Although supplies are strictly limited, every chemist and wholesaler who purchased direct from us in the basic period will receive a quota in proportion.

CLYNOL BERRIES for OBESITY

however are available to all.
Please send your enquiries to our distributors :—
POTTER & MOORE, LTD.
Lavender House,
Seymour Road,
LEYTON, E.10

DEARBORN (1923) LTD.

" Kern House," 36/38 Kingsway, London, W.C.2



MADELOX Ltd

The Leading Toilet and Sundries House and Distributors of the world famous Mury "LE NARCISSE BLEU" Perfumes.

168 CORPORATION STREET · MANCHESTER

ALUMINIUM COMPOUNDS for PHARMACEUTICALS

★

With over one hundred years' experience in the manufacture of heavy chemicals, SPENCE have recently developed a number of aluminium compounds for pharmaceuticals.

Further details will be sent on request.

PETER **SPENCE** & SONS Ltd

National Buildings · Manchester 3

London · Bristol · Goole · Widnes

R.P.1850A

BIOLOGICAL MBL PREPARATIONS

THE QUALITY OF ALL MBL PRODUCTS IS ABSOLUTELY IDENTICAL WITH THAT OF PRE-WAR PREPARATION

because of our heavy purchases immediately before war broke out. Our stocks are still considerable and the high MBL standard will be fully maintained.

THERE IS NO SHORTAGE OF ANY OF OUR PREPARATIONS

		Retail Prices	CHEMISTS' PRICE Per unit			Per dozen		
		(inclusive of Tax)	Net	+	Purchase Tax	Net	+	Purchase Tax
ANTIPEOL								
OINTMENT	4 oz. tube	7/5	4/2½	+	1/5	50/5	+	16/10
	40 gr. „	3/8½	2/1½	+	8½	25/3	+	8/5
	20 gr. „	2/1	1/2	+	5	14/-	+	4/8
LIQUID	40 c.c. bottle	3/8½	2/1½	+	8½	25/3	+	8/5
OPHTHALMO-ANTIPEOL								
20 gr. Nozzled Tube		3/8½	2/1½	+	8½	25/3	+	8/5
8 gr. „ „		1/9	1/-	+	4	11/11	+	4/-
RHINO-ANTIPEOL								
20 gr. Nozzled Tube		3/1	1/9	+	7	21/-	+	7/-
8 gr. „ „		1/9	1/-	+	4	11/11	+	4/-
ENTEROFAGOS								
Box of 50 ampoules		19/-	13/3½		None	159/7		None
„ 10 „		4/3	3/-		None	35/8		None
„ 5 „		2/6	1/9		None	21/-		None
DETENSYL								
Tin of 500 tablets...		43/-	24/-	+	8/-	288/-	+	96/-
Tube of 50 „ ...		4/11	2/8½	+	11	32/4	+	10/10
ST. JAMES' BALM								
Tin of approx. 2½ oz.		3/1½	1/11	+	7½	22/6	+	7/6
„ „ 1 oz.		1/7	11	+	4	11/3	+	3/9

Carriage paid on all orders of 1 dozen or £1 and over.
Terms: NETT, Monthly Account.

MEDICO-BIOLOGICAL LABORATORIES LTD., LONDON, S.E.25

D

THE MANUFACTURERS *of*



PREEMO

perfume essences

are proud to introduce . . .

★ **PREEMO 5**

with its distinct French type fragrance—and warm undertones—in a class of its own.

★ **GARDENIA**

a Floral bouquet with a delightfully intriguing top note—light and elusive—yet ever present.

★ **SOIE DOUCE**

a newcomer—brings with it an exotic note of languorous sophistication.

These are but three of our fine quality compounds of the highest concentration. Each with its own distinctive and modern sophisticated note. They are created for those manufacturers who appreciate only the very best, and are especially prepared for use in a complete range of cosmetics.

Each a Jewel in its own setting

PREEMO & SILKS TOILET CO.



330 KILBURN HIGH ROAD,
LONDON, N.W.6
Tel : Maida Vale 3234

No.4711.

Eau de Cologne
and Beauty Aids

MADE IN ENGLAND

All enquiries to:—
R. J. REUTER COMPANY, LTD.
"4711" FACTORY, SLOUGH, BUCKS

P.A.T.A.

Tessa



LIPSTICKS
and **REFILLS**

Cosmetized from our exclusive American Formula into the Season's latest shades

★ YOU ARE SUPPORTED BY EXTENSIVE ADVERTISING ★

Send for Shade Card and details of Trade terms.

J. DUNHILL MANUFACTURING CO.
17 WOODSTOCK STREET, LONDON, W.1
TELEPHONE : MAYFAIR 1603

A woman wants two things from a beauty cream . .



She expects it to perform make-up magic—to hold powder smoothly, lastingly, and to make her prettier right this minute. But she also expects it to care for her skin—to improve its texture, make it smoother, help it to resist wrinkling. SKIN DEEP does both of these things.

Made from Atkinsons newest formula for the day and night care of the skin, SKIN DEEP holds make-up perfectly by day and acts as a rich skin food by night. As the years go by the natural substances which keep the skin pliable and able to resist wrinkling dry up. SKIN DEEP, blended from oils closely resembling the skin's natural oils, preserves the complexion against wind, weather and loss of elasticity caused by the march of time.

ATKINSONS

Skin Deep

BEAUTY CREAM

FOR DAY AND NIGHT USE

All Skin Deep

advertisements appearing in the big-circulation magazines and journals feature the phrase "does the skin good." And it's true.



AST. 4-1062

ATKINSONS OF OLD BOND STREET, W.1

Kenrosa HAIR PREPARATIONS

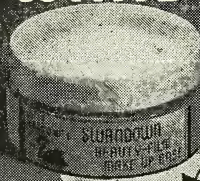
THIRTY YEARS REPUTATION



Kenrosa LTD.
LONDON. E.5.

Manufacturers of
PASHANA, FOUGERE LOTIONS,
TONFREY'S DRY SHAMPOO ETC.

SWANDOWN



Beauty Film Make-up

Cash in with this new-comer to the famous Swandown range. It's selling as fast as women can make up! Retailing at 5/10, inc. tax, in the following shades: Rachel, Naturelle, Peach, Rose-Indian, Summer-Tan. *Order from your wholesaler or direct from:*

HENRY TETLOW CO. LTD.,
Beresford Avenue, Wembley, Middx.

SHADEINE
FOR GREY HAIR

FIFTY YEARS' REPUTATION

All shades. Two sizes only at present. Retail prices 2/11 and 5/5 (including Purchase tax).



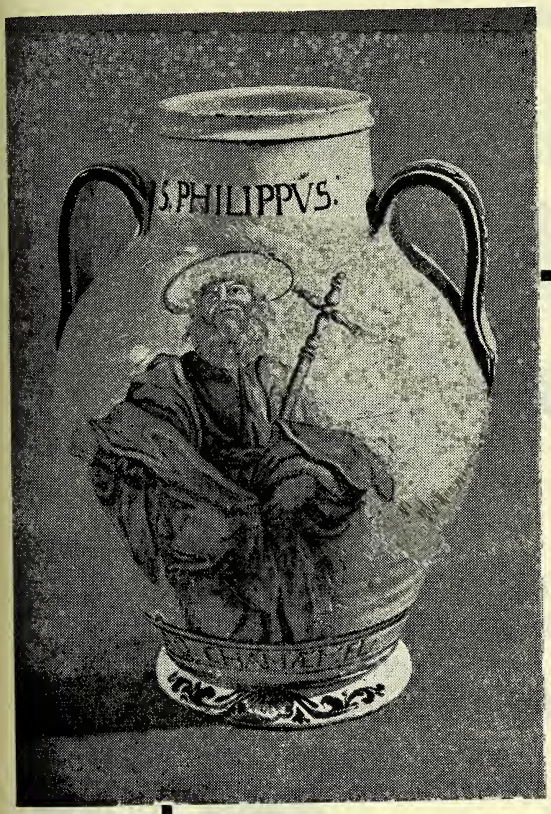
STOCKED BY ALL LEADING WHOLESALERS

KOKO FOR THE HAIR

50 years' reputation as
HAIR TONIC and DRESSING
PROMOTES GROWTH
STOPS FALLING HAIR
CLEARS DANDRUFF
Delightfully perfumed
Thousands of testimonials



Stocks available at Wholesalers
KOKO MARICOPAS CO. LTD., 3, Fleet Lane, E.C



I

S. PHILIPPUS

Aq. Chamaemel

An old Apostle Drug Jar

ca. 1790 Italy

Collection of

Mr. D. I. Duveen F.R.I.C.

Other specimens will be illustrated later in this series.

inotyol

SOOTHING OINTMENT

promotes speedy healing of skin disorders . . relieves itching, irritation, burning and redness . . even on new born babes.

In tubes 2/5 including P. Tax.
Cost 16/- dozen plus 5/4 P.T.
Smart displays of one dozen.

Formula
Ichthammon 1.50% Zinc Oxide 5.00%
Liquor Hamamelis Dest. 10.00%
Titanium Oxide 5.00%
In a Benzoinated Ointment Base to 100

THERAPEUTIC DEVELOPMENTS LTD., 120 VICTORIA ST., S.W.1

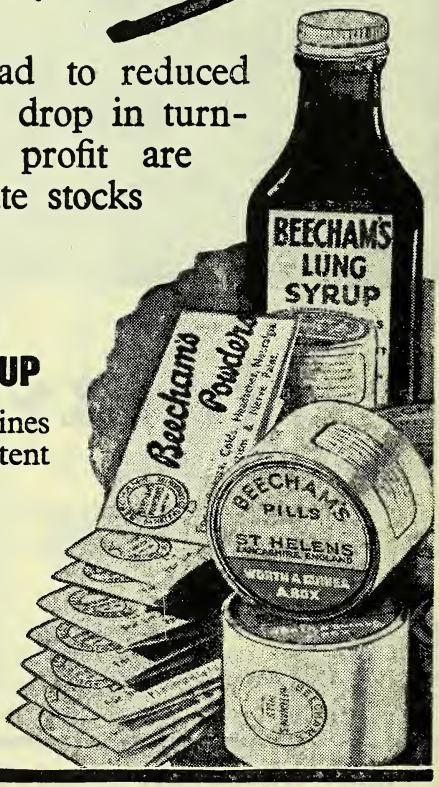
IN.1/948

P.A.T.A.

Adequate stocks — mean GOOD PROFITS

Stock shortage can lead to reduced turnover, and with the drop in turnover opportunities for profit are lessened. Keep adequate stocks therefore, of

BEECHAM'S PILLS
BEECHAM'S POWDERS
BEECHAM'S LUNG SYRUP



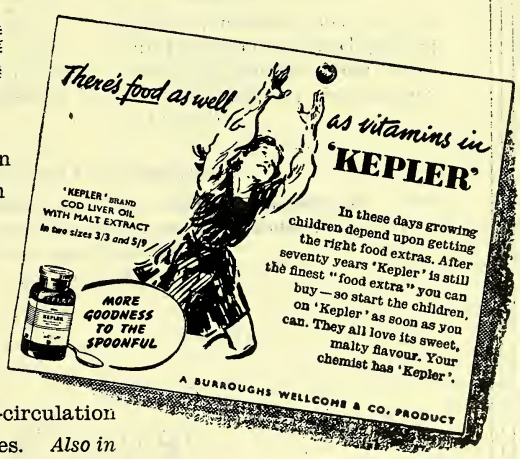
These popular quick-selling lines are famed for their consistent purity and efficacy.

Supplies of attractive display materials are available on request. All enquiries should be addressed to :—

BEECHAMS PILLS LTD.,
ST. HELENS,
LANCASHIRE



COMPELLING ADVERTISING WITH A TOPICAL THEME KEEPS 'KEPLER' *in the news!*



The vigour of this advertising can hardly fail to stir the imagination of mothers—especially at this time, when they are more than ever conscious of the need of the right "food extras" for their children. They can read the 'KEPLER' message in the national press, the best provincial papers, the big-circulation journals and the women's magazines. *Also in your shop* if you display the new 'KEPLER' window- and counter-cards. Ask our representative about them—they have a compelling attractiveness that leads to sales on the spot.

Two sizes **3/3** *and* **5/9**

BURROUGHS WELLCOME & CO. (*The Wellcome Foundation Ltd.*)
183-193, Euston Road, London, N.W.1. *Telephone: Euston 4477*

SURFACE ANAESTHESIA
with
NUPERCAINE

"Fortunately, Nupercaine is a complete substitute for cocaine."
Practitioner, 1936, 136, 509.

NUPERCAINE LOZENGES

each containing 1 mg. produce a prolonged anaesthesia of the mucous membranes of the mouth and throat, alleviate the discomfort of sore throat and allay post-tonsillectomy distress. (*Boxes of 15 and bottles of 100*)

NUPERCAINE SUPPOSITORIES

each containing 0.012 g., may be employed in the treatment of anal fissure and painful haemorrhoids or, post-operatively, where a prolonged action is desired.
(*Boxes of 5*)

NUPERCAINAL

a 1 per cent. ointment producing prolonged analgesia in chaps, herpes zoster, burns, sunburn, anal fissure, haemorrhoids, pruritis.
(*Tubes of 1 oz.*)

NUPERCAINE 2% SOLUTION

for anaesthesia of the mucous membranes of the ear, mouth, throat and nose. May be employed topically in proctology.
(*Bottles of 30 c.cm.*)

NUPERCAINE LUBRICANT

an efficient anaesthetic lubricant containing 10%, for use with tracheal tubes only, facilitates introduction and renders their presence more tolerable.
(*Containers of 1 oz.*)

Literature and price list on request.

CIBA

CIBA LABORATORIES LIMITED, HORSHAM, SUSSEX

Telephone : Horsham 1234 Telegrams : Cibalabs, Horsham

The
CHEMIST AND DRUGGIST
for RETAILER - WHOLESALER - MANUFACTURER
January 3, 1948. No. 3541. Vol. CXLIX
Published Weekly at 28 Essex Street, Strand, London, W.C.2
Telephone: Central 6565 (10 lines). Telegrams: "Chemicus, Estrand, London."
Single copies 1/- each. Annual subscription, which includes The Chemist and Druggist Diary and Year Book, 30/-

CONTENTS

A Scheme for the Small Exporter ...	28	Marketing and the Export Drive ...	29
Business Changes	7	Medical Abstracts	26
Coming Events	36	Mr. Linstead in Manchester	21
Company News	7	News of the Week	1
Deaths	10	Overseas News	4
Editorial Articles:—		P.A.T.A.	9
Olive Oil and All That	17	Personalities	11
Trading Account Deficit Reduced	18	Protein Structure	24
Examiners' Report for Scotland ...	22	Public Pharmacists and Education...	20
Export Control Changes	29	Recollections of an Old Drug Broker	12
Fifty Years Ago	23	The Markets in 1947	30
Guide to New Medicaments... ...	27	Topical Reflections	5
Hendon and Edgware "Brains Trust"	19	Trade Marks	36
Information Wanted	16	Trade Notes	8
Irish News	4	Trade Report	33
Legal Reports	6	Tribute to Ministries	15
Local News	3	Wills	11

NEWS OF THE WEEK

D.D. Authorities Withdrawn. — The Home Secretary has withdrawn from Brian Arthur McCubbin, M.B., Ch.B., 189 Coleridge Road, Cambridge, the authorities granted him by regulations made under the Dangerous Drugs Acts, 1920.

Health Centre Date Cancelled. — The Minister of Health has cancelled the date (December 31, 1947) by which, according to a circular issued on June 10, 1947, local authorities were to have submitted proposals for the setting up of health centres.

Rising Prices. — Between October and November 1947, there was a rise of three points, equivalent to 1 per cent., in the Board of Trade index number for prices of total imports. A similar increase was shown for manufactured articles.

Purchase Tax on Imported Samples.— The Commissioners of Customs and Excise announce a special concession under which samples imported in connection with the entrepôt trade may be imported by a registered person tax free, subject to the production of a specially endorsed Board of Trade import licence. Applications for such licences should be addressed to the Import Licensing Department, Board of Trade, 189 Regent Street, London, W.1.

Protective Clothing for Science Students. — The Board of Trade announces that arrangements enabling certain colleges to obtain protective clothing to supply on loan to their full-time students of science, and other specified subjects, are to continue for the year commenced September 1, 1947.

Extra Soap for Babies.—From January 4, the extra soap allowance of one additional ration weekly for children up to one year of age is being extended to children up to two years of age. Applications for the additional ration may be made to local food offices either in writing or in person. Applicants must submit the child's ration book R.B.2.

Scabies Order Lapses. — The Minister of Health gives a reminder that, under the Emergency Laws (Transitional Provisions) Act, 1946, and the Emergency Laws (Miscellaneous Provisions) Act, 1947, Regulation 33A of the Defence (General) Regulations, 1939, expired on December 31, 1947,

and that the Scabies Order, 1941, made under that Regulation, accordingly also ceased to be operative after that date. The Regulation and Order were introduced as an emergency war-time measure to combat an exceptional increase of scabies. In the view of the Minister the time has come to rely once more on normal statutory powers.

A New Antibiotics Plant.—Speaking at a Christmas luncheon to officials and contractors concerned with the erection for Glaxo Laboratories, Ltd., of a new antibiotics plant at Ulverston, North Lancs, Sir Harry Jephcott (chairman) said he was convinced that there would be a demand for the production of antibiotics for many years to come. The output of the new plant, which would cost about £700,000, and include two fermentation units, would provide welcome aid to the nation's export trade as well as helping to meet increased demands for antibiotics at home, he concluded. Meanwhile, at the company's penicillin plant at Barnard Castle, co. Durham, the decision was taken, for the third Christmas in succession, to work normal hours during the holiday period to meet a demand still greatly in excess of supply. The filling and packing departments had a short holiday, but the whole of the preliminary production and essential services staffs were on duty.

Parliamentary Questions. — Before the House of Commons closed for the Christmas vacation, Mr. E. L. Granville raised the problem of the increasing difficulties encountered by overseas purchasers of British exports to obtain the necessary import licences, and asked what steps were being taken to secure alternative markets. Mr. J. W. Belcher (Parliamentary Secretary) replied that everything possible was being done to secure relaxations of import restrictions in favour of United Kingdom goods. Mr. B. T. Parkin was informed that no development councils had yet been appointed, but discussions were proceeding with several industries. Mr. Herbert Morrison announced the setting up of a new Committee on Industrial Productivity "to advise the Lord President of the Council and the Chancellor of the Exchequer on the form and scale of research effort in the natural and social sciences which will best assist an early increase in industrial productivity, and further to advise on the manner in which the results of such research can best be applied." Sir Henry Tizard, he said, would be its chairman The planners would work in close co-operation with the existing research associations, and there would be interim reports through the appropriate channels. Mr. Watkins was given, by the Minister of Health, the figure of 520,000 mega units as the current production of penicillin. During a debate on cuts in capital investment, Mr. Ellis Smith demanded the nationalisation of the steel and chemical industries of this country before the end of the present Parliament.

Soft Drinks Decontrol.—To give effect to a policy of restoring normal trade practices in the soft drinks industry when the concentration scheme under which the industry has been functioning comes to an end on January 31, the Minister of Food has issued a Soft Drinks Order, 1947 (S.R. & O., 1947, No. 2756), under which manufacturers may again make soft drinks according to their own formulas and may use their own labels; prices, and deposit charges or allowances on returnable containers will no longer be controlled. (During the operation of the concentration scheme only a limited range of drinks was allowed to be made, and prices fixed in 1943 have remained unchanged; with the return of individual varieties, some prices may be higher and others lower than those to which the public has been accustomed for the past five years); and transport of soft drinks will be under no restrictions other than any general regulations that may be in force. The Order prescribes minimum sugar and fruit-juice contents, and sets a limit to the amount of saccharin that may be used. It contains no provision as to citric or other acid content and makes no change in the existing minimum fruit-juice content. Sugar must now be added in quantities at the rate of not less than 18 oz. per 10 gall. finished beverage for ready-to-drink beverages, and not less than $7\frac{1}{2}$ lb. per 10 gall. of finished beverage for drinks intended for dilution, and for non-alcoholic wines. The maximum saccharin content for ready-to-drink beverages is to be 82 gr. and for drinks for dilution $\frac{7}{8}$ oz. The new Order comes into force generally on February 1, but manufacturers will be able to make drinks under its provisions from January 26. A second Order, the Labelling of Food Order, 1946 (Amendment No. 3) Order, 1947 (S.R. & O., 1947, No. 2709) includes a paragraph under which spa waters and pre-packed soft drinks are required to comply with the requirements of the main Food Labelling Order except that which requires the formula to be declared and the minimum content to be stated.

LOCAL NEWS

Bristol Film Show.—A film show, arranged by Evans Medical Supplies, Ltd., was given to the Bristol Branch of the Pharmaceutical Society recently. "The somewhat repulsive nature of the film 'Scabies,'" writes Mr. E. Lloyd (secretary), "was redeemed by the excellent photography, while 'Take Thou' might, with advantage, have been considerably longer, giving special processes in greater detail."

Southampton Curare Lecture.—Local representatives of the medical and veterinary professions were guests at a recent meeting of the Southampton Branch of the Pharmaceutical Society when Dr. T. Dewing (Burroughs Wellcome & Co.) traced the history of curare from its early use as an arrow poison to its uses in modern medicine. The lecture was followed by a lengthy discussion in which both pharmacists and doctors took part.

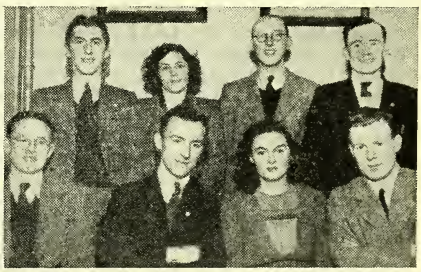
Christmas Luncheon.—A special Christmas menu was put on in the staff canteen of Allen & Hanburys, Ltd., Vere Street, London, W.1, on December 18, 1947. The canteen was decked with evergreens for the occasion and with a small Christmas tree, the chief ornaments on which were ampoules of coloured liquids. In the absence of mistletoe a bottle of liquid extract of mistletoe suspended from the ceiling proved an adequate alternative.

Dundee Photographic Talk. — Mr. André Page, A.R.P.S., gave a lecture to the Dundee and East and Central Scottish Branch of the Pharmaceutical Society recently on "The Romance of Modern Photography." He said that the great progress in colour photography in Great Britain had been delayed by the war; American workers were now foremost. Mr. Page described work he had done recently in Sweden on colour photography, using plastic bases, and gave an account of the use of *x*-ray and infra-red photography.

Christmas Party. — The employees of F. M. Langford, Ltd., chemists' packers, London, numbering about 100, were entertained by the company to a Christmas dinner and dance on December 19, 1947. Messrs. F. M. Langford and L. Longman (directors) were present, and Mr. H. J. Garrard (managing director) proposed the toast of the guests of honour: Mr. Blackwell (president, Chemical Workers' Union) and Mrs. Blackwell. Mr. Blackwell suitably replied. Mr. R. H. Odams (sales manager) proposed "The Directors," and the response was made on their behalf by the company's auditor (Mr. Garroway).

Wallasey Tax Protest. — An appeal to chemists to support as individuals the protest of the Pharmaceutical Society and the British Medical Association against the increase in the purchase tax on drugs was made by Alderman W. J. Tristram (a member of the Council of the Pharmaceutical Society) when he addressed a meeting of the Wallasey Branch of the Society on December 11, 1947. It was quite illogical to impose a tax on medicine at all, said Mr. Tristram. In a Budget intended to restrict spending and encourage saving, the Chancellor had increased the tax on toilet luxuries by 25 per cent. and on drugs and medicines by 100 per cent.





Left: EIRE LICENTIATE CONFERRING CEREMONY.—The president of the Pharmaceutical Society of Ireland (Mr. Philip A. Brady) with a group of new lady pharmacists who received their Licentiates in Dublin on December 9, 1947. Also in the group (front row) are Mr. T. C. Scott (vice-president) at extreme right, and Mr. James G. Coleman (registrar) at extreme left. On the president's right is Miss Niamh Kennedy (gold medallist), and on his left Miss S. G. MacMahon, (silver medallist).

Right: EIRE STUDENTS' REPRESENTATIVE COUNCIL, 1948.—Council and officers of Eire Pharmaceutical Students' Representative Body: Front Row, Mr. Arthur Allshire (correspondence secretary), Mr. Gerald O'Neill (vice-chairman), Miss Peggy Fallon (chairman), Mr. John F. O'Grady (record secretary and treasurer). Standing, Mr. John Roche, Miss Joan Madden, Mr. N. Scroope and Mr. Edward J. Cassidy. One member (Mr. Eric Burrell) was not present with his colleagues at the time the picture was taken.

IRISH NEWS

Christmas Business in Eire.—A correspondent writes: "In Eire this year several pharmacies report a record Christmas."

Political Candidates in Eire.—Pharmacists likely to figure in the list of candidates in the general election due to be held in Eire early in February include Mr. J. J. Cole, Ph.C., who has intimated his intention of going forward as an Independent in the Cavan constituency, and Mr. Frank J. Loughman, a member of the Pharmaceutical Council, who is virtually certain to stand again for Tipperary as Government Party Candidate.

Post-graduate Course.—A post-graduate course for pharmaceutical chemists in Eire, to include blood counts, urine analysis, and the therapeutic qualities and dosages of the new drugs and ethical preparations, has been arranged by the Pharmaceutical Society of Ireland. It will be conducted by Dr. James N. Meenan, and the lectures and demonstrations will be held at 67 Lower Mount Street and at the laboratories at St. Vincent's Hospital. The first lecture will be given during the week commencing January 12, and the fee for the entire series of lectures is £2 2s. As the number of places is limited, intending entrants should write without delay to the Registrar, Pharmaceutical Society of Ireland, 67 Lower Mount Street, Dublin.

Irish Drug Association.—At the December Committee meetings of the Irish Drug Association, Mr. M. Costello (president) in the chair, it was decided to circulate to members copies of a memorandum on the distribution of streptomycin issued by the Medical Research Council, Dublin (without consultation with the I.D.A.). [The memorandum states that applications for streptomycin from medical practitioners must be approved by the M.R.C., which will notify the I.D.A. of the chemist through whom the doctor wishes to be supplied. The I.D.A. will make arrangements for supply through wholesalers, who will try to arrange credit for any unused streptomycin returned well within the expiry date. Payment is a matter for the chemist and doctor concerned to arrange.] The following new members were elected to the Association: Messrs. A. J. Boyle, M.P.S.I., Chapelizod, co. Dublin; W. D. Broderick, Ph.C., Fermoy, co. Cork; C. J. Keane, M.P.S.I., Listowel, co. Kerry; Mrs. McCarthy, M.P.S.I., Finglas, co. Dublin, and Mrs. M. V. McDonnell, M.P.S.I., Bundoran, co. Donegal.

OVERSEAS NEWS

U.S. Streptomycin Export Regulations.—Streptomycin is again exportable from the United States under general licence to all destinations up to a value-limit of $100.

French Prices for Alcohols.—The official selling price of alcohols was fixed in December 1947; alcohol for vinegar is 6,000 francs per hectolitre, for perfumery 16,000 francs, and for pharmaceutical products at 12,000 francs.

Austria Produces Silver Nitrate.—An Austrian firm in Hall, Tyrol, the only silver nitrate-producing company in the country, has recently resumed production and is now manufacturing 300 kilos of silver nitrate per month. It is hoped to step up production shortly to 600 kilos monthly.

Italian Olive Oil Prices.—Italian olive oil wholesalers are holding back about 500,000 quintals of olive oil which they intend to release when the new-crop production arrives on the market. It is thereby hoped to stabilise the price at around 400 to 440 lire per kilo.

Indian Plastic Industry Seeks Protection. — The Indian plastic industry is to ask for protection by the Indian Tariff Board. A memorandum is being drafted by interests engaged in the industry and will be forwarded to the Ministry of Commerce, Government of India.

DDT Factory for Egypt. — The Egyptian Ministries of Finance, Commerce and Industry and Public Health, are now studying the possibility of building a DDT factory for the Egyptian Government. The cost of such a factory has been estimated at about £E100,000.

Ceylon Business Profits Tax.—New and increased taxes, including a 20 per cent. levy on business profits, were announced recently by the Ceylon Finance Minister. Increased import duties on wines and spirits, and other products, including perfumery and cosmetics, were estimated to yield 18 million rupees.

Netherlands—Spanish Trade Agreement. — The Netherlands-Spanish Trade Agreement has been renewed for another year following talks between economic delegates of the two countries. This agreement provides for the extension of reciprocal trade relations under which Holland will export to Spain a range of goods including chemical and pharmaceutical products.

TOPICAL REFLECTIONS

Determination

To the New Year greetings on pp. 786-93 of your final issue of 1947 I should like to add my own. It is heartening to find in all these contributions a principle or *motif* that may be called determination. Most of your readers will agree that the past year has been disappointing; I need not enlarge on that subject. Yet something has been gained during the twelve months; in the words of Sir Harry Jephcott, chairman of the Association of British Chemical Manufacturers, "uncertainties are giving place to hard facts, and immediate difficulties are being resolutely tackled. . . ." With equal foresight Mr. Victor Blagden remarks that the leading position of Great Britain in international trade "can be rebuilt in the future through the traditional genius of the British merchants." In retail business and hospital dispensing the coming into operation of the National Health Service in Great Britain is one of the chief factors conditioning the outlook; several of your contributors have noticed this. Pharmacists who undertake work in the service should realise, as Miss Dorothy M. Jones indicates, that they "alone can give the best possible service to the public in this particular aspect of the health service." The messages express a resolution that is far better than casual optimism. Decisions taken in the past year have cleared away some doubts concerning the course of trade. As to difficulties to be met, "A Man's Mind must be very low, if the difficulty doth not make a part of his Pleasure."

Light and Shade

Mr. A. B. Gilmour's account of National Health Insurance prescription-pricing for Scotland and Northern Ireland (*C. & D.*, December 27, 1947, pp. 778-81) is among the most attractive articles that have ever appeared in your columns. My experience of being compelled to read it, when started, to the end, has no doubt been general. Some years ago I mentioned in this section an instance or two of lavish prescribing by panel practitioners; the abundant selection of such requirements related by Mr. Gilmour shows that these instances are not uncommon. There is, naturally, a serious background to the humours of careless or callous prescribing. Panel chemists on the south side of the Border, who have their troubles in N.H.I. dispensing, will read with sympathy about negotiations on tariffs and payment cuts in Scotland. The economy cut of 1931 will serve as an example of forced sacrifice. From October 1, 1931, to June 30, 1934, a monthly deduction of 6.3 per cent. from each chemist's account was made. One would have thought that the contribution to the Treasury by Scottish chemists of £34,430, and by Northern Irish chemists of £8,193, was too unimportant to justify this levy. For another year a monthly deduction of 3.15 per cent. was made: the Treasury could not be expected, I presume, to surrender its claim all at once.

Dorvault's "L'Officine"

It sometimes surprises me that so little use is made in this country of the book briefly know as Dorvault. Many chemists read French passably, and there is a definite advantage in consulting foreign books of reference. "L'Officine ou Répertoire Général de Pharmacie Pratique," now in its eighteenth edition (1945, pp. 2345), sets up, I believe, a record for longevity. While carrying on a pharmacy in Paris from 1841 to 1851, François-Laurent-Marie Dorvault compiled three editions of this book, issuing the first in 1844, when he was only twenty-nine years of age. His object was to create, for quick reference, as complete a handbook as possible. The first edition comprised (1) a tariff; (2) a dispensatory of 388 pages; (3) a legal section; (4) veterinary, homœopathic and other data; (5) indexes. In the second edition the tariff was transferred to the end of the book. It was subdivided into "manipulations" (dispensing operations), ordinary medicaments, and specialities. English specialities, numbering about 100, were listed by themselves. They included various articles without a maker's name—e.g., camphorated water, cold cream, Bermuda arrowroot, "issenglass," anodyne necklaces, brown Windsor soap and "Smelling's salts." Among the proprietary goods were some dating from earlier periods—for instance, Anderson's Scot's Pills, Spilsbury's Drops, James's Analeptic Pills, Juniper's Essence of Peppermint and Glass's Magnesia. The tariff was discontinued in the fifteenth edition (1910). In 1852 Dorvault relinquished his pharmacy and founded the Pharmacie Central des Pharmaciens. Several monographs on pharmaceutical and chemical subjects were written by him, either as pamphlets or as contributions to medical and pharmaceutical journals. He died in 1879 while correcting proofs of the sixth edition of "L'Officine."

Xrayser

LEGAL REPORTS

Fine Imposed for Drug Deficiency.—At Southampton, recently, Percy R. Pratten, M.P.S., St. James' Road, was fined £1 for having sold camphorated oil 30 per cent. deficient in camphor and containing 3.6 per cent. extraneous water. A summons against William Toogood, Ltd., Borough High Street, London, S.E.1, for selling camphorated oil deficient in camphor, was dismissed. The Bench upheld a submission on behalf of Messrs. Toogood—who were alleged to have supplied the camphorated oil to Pratten and he was ordered to pay £15 15s. towards the expenses incurred by Messrs. Toogood. "I would like to say," the chairman added, "that the Bench is quite convinced there was no tampering or anything of that kind by Pratten."

Toilet Spirit in Beverages.—At Grimsby, on December 18, 1947, Carl Mumby, company director, St. Peter's Avenue, Cleethorpes, Lincs, was fined a total of £3,650 on sixteen summonses related to transactions in spirits. Four summonses alleged delivery of spirits without a permit; a fifth was for failing to make an entry of premises used; a sixth for retailing spirits without a licence; there were also four for wholesale dealing in spirits without a licence; one for compounding spirits without a licence; four for selling methylated spirit mixed with a beverage; and one for unlawful possession of a beverage containing methylated spirit. Evidence was given that bottles of illicit spirit containing industrial methylated spirit, water and genuine whisky, were found on Mumby's business premises at Cleethorpes. The methylated spirit had been obtained by him for use in his business as a shampoo and cosmetic manufacturer. He was given a week to pay, or, in default of payment of the fines, twelve months' imprisonment.

Baby Food from Clinic.—At Bradford, on December 19, 1947, Anne Cecilia Johnston, Shipley, stores clerk at the Edmund Street (Bradford) Maternity and Child Welfare Clinic, was charged with stealing 19,164 tins of Ostermilk baby food and other goods, valued at £2,273, from the clinic. Norman Best, M.P.S., Moorville, Outwood Lane, Horsforth, managing director, Norman Best, Ltd., Manningham Lane, Bradford, proprietors of several chemists' shops in Bradford, Leeds and Harrogate, who was called upon to give evidence, was advised by the presiding magistrate that he was not obliged to answer certain questions, but said he was prepared to give evidence. The prosecution alleged that Johnston stole the goods over the past six years and had admitted disposing of them for cash to a chemist, to whom she stated that they were surplus stock and that she had authority to dispose of them. Best said he had had transactions with Bradford Corporation in commodities for use at the clinics. Johnston had told him something to the effect that supplies of Ostermilk would be available, and he was asked whether he would be prepared to take them. He had no reason to doubt that the supplies were surplus or to doubt that Johnston had charge of the stock. He was under the impression that she held a high executive position. He had made payments in cash of £2,273 and had kept records of the transactions. The case was adjourned.

Month to Pay £30 Fine. — At Marylebone, London, magistrates' court on December 15, 1947, Philip Layman, residing at Pandora Road, Hampstead, in a private house described as a research institute and alleged to have been used as a packing station for the distribution of herbal remedies, was fined a total of £30, with £10 costs, on three summonses under the Pharmacy Acts. He was given twenty-eight days in which to find the £40. The summonses accused him of selling by retail "green herbs tablets," "constipation curb herbs" and "Fo-Ti-Tieng"—articles consisting of or comprising substances recommended as medicines, sold without being labelled with the appropriate designation of substance or of each of their actual constituents or ingredients. A further summons for selling a medical preparation (Fo-Ti-Tieng) to which an alleged false trade description was applied ("The only known source of youth vitamin X"), contrary to section 2 (2) of the Merchandise Marks Act, 1887, was not proceeded with. Medical evidence was called of defendant's condition. He was described as emotional and extremely unstable. "I would put his emotional age at three to four; his intellectual age at eight to ten. He becomes quite incoherent when faced with any threat either to his person or his health . . . He owes a great deal to the fact that his wife lives with him. Otherwise I should say he would be incapable of looking after himself." Defending solicitor, having asked the magistrate to look at the labels, said that in every one of them the recommendation was for food, not medicine.

COMPANY NEWS

UXBRIDGE PHARMACEUTICAL & GENERAL SUPPLIES, LTD. (P.C.). — Capital £1,000. William F. C. Mead and Winifred F. Mead, directors. R.O.: 2 New Broadway, Uxbridge Road, Hillingdon, Middlesex.

COLLIERS WOOD PHARMACY, LTD. (P.C.). —Capital £2,000. Gilbert E. Cottington and Elizabeth Hinds, M.P.S., directors. R.O.: 28 High Street, Colliers Wood, Surrey.

J. W. GRAY, LTD. (P.C.).—Registered in Belfast. Capital £5,000. To carry on the business of chemists, druggists, etc. William J. Stevenson, director. R.O.: English Street, Armagh.

BARRET & ROBERTSON, LTD. (P.C.).— Capital £600. To carry on the business of chemists, druggists, etc. Sydney F. Barrett, May Barrett, David Robertson, M.P.S., and Truda Robertson, directors. R.O.: 11 Mackenzie Street, Slough.

F. W. FAWKES, LTD. (P.C.). — Capital £2,000. To carry on the business of chemists, etc. Francis W. Fawkes, M.P.S., and Arthur J. Hitchins, directors. R.O.: 177 Haydons Road, Wimbledon, London, S.W.19.

CANON (CHEMICALS), LTD. (P.C.).— Capital £1,000. To carry on the business of manufacturers of and dealers in metals, chemicals, gases, drugs, medicines, etc. Harold F. Bowman, director. R.O.: 51 Hamilton Gardens, London, N.W.8.

A. H. LINCOLN, LTD. (P.C.). — Capital £4,000. To carry on the business of chemists, etc. Arthur H. J. Lincoln, M.P.S., Ivy Lincoln, and Thomas C. Walton, directors. R.O.: 446 Alum Rock Road, Birmingham, 8.

GAYE PRODUCTS, LTD. (P.C.). — Capital £100. To carry on the business of manufacturers of and dealers in chemicals, gases, drugs, medicines, etc. Albert E. Barnett and Zena Barnett, directors. R.O.: 140 Piccadilly, London, W.1.

CULL, LEWIS & SON, LTD. (P.C.).— Capital £100. To carry on the business of factors, brokers and agents for manufacturers, wholesalers and retailers of goods of any kind, wholesalers, retailers and manufacturers of chemical substances (including drugs) and vegetable and mineral oils, general merchants, for the home market and export, etc. David C. Lewis and Phyllis I. Lewis, directors. R.O.: 15 Berners Street, London, W.1.

WHEELER & HUISKING, LTD.—Mr. Albert F. Courcha has been appointed a director with effect from January 1. Mr. Courcha has been with the company for twenty-five years.

TOWNSEND MEDICAL HALL, LTD.—Notice has been given under the Companies Act, Northern Ireland, that this company has been removed from the Companies Register and is dissolved.

BUSINESS CHANGES

EVANS MEDICAL SUPPLIES, LTD., have appointed Mr. A. D. Wilson, A.C.A., chief drug buyer.

MR. JACK REGINALD HUBERT, M.P.S., has been granted permission to practise as a chemist in Guernsey, Channel Islands.

SHARP & WATERHOUSE, LTD., have taken over the business of Mr. S. E. Thomsett, M.P.S., at 9 The Strand, Walmer, Deal.

D. T. EVANS, LTD., Margate, have recently opened new pharmacies at Sturry, nr. Canterbury, and at 105 Mortimer Street, Herne Bay.

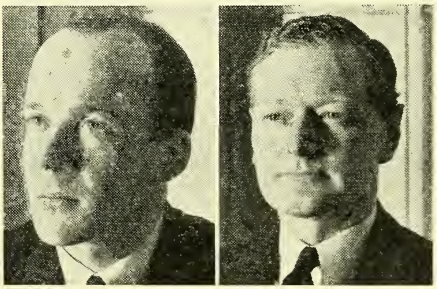
WIGGLESWORTH, LTD., manufacturing chemists, Westhoughton, have appointed Mr. John Bradbury, M.Sc., sales manager. Mr. Bradbury was formerly assistant sales manager.

V. BERG & SONS, 33 Eastcheap, London, E.C.3, announce that Mr. Harold George Berg, who has taken an active interest in the firm for many years, was on January 1 admitted into partnership.

RODMILL CHEMICAL CO., LTD., 49 St. Anne Street, Liverpool, 3, have entered into an arrangement with Societa Episan Ente Profilattico Italiano, Ltd., for the manufacture in Italy under licence of the company's products.

WOOLCOMBERS, LTD., Daisy Bank, Duckworth Lane, Bradford, announce the formation of a new subsidiary company, the Westbrook Lanolin Co., to replace the company's technical products section. Sales and invoicing of pharmaceutical lanolin will continue to be executed by the company's agents, C. Tennant Sons & Co., Ltd., Croda, Ltd., and the Pharmaceutical Lanoline Co.

THE BRITISH DRUG HOUSES, LTD., Graham Street, City Road, London, N.1, announce the following staff changes: Mr. S. M. Lennox, M.P.S., becomes home sales manager in succession to Mr. C. T. Salari, who retires after forty-six years with the company or (before the amalgamation) with Barron, Harveys & Co. Mr. J. O. Haylock, Ph.C., becomes representative in the West End of London in succession to Mr. G. Gregory, who retires after twenty-two years' service. Mr. R. J. Read, M.P.S., becomes representative for the counties of Gloucestershire, Oxfordshire, Buckinghamshire, Berkshire, and Surrey.



Left: Mr. W. A. Kinnear, new home sales director of Evans Medical Supplies, Ltd., Speke, Liverpool. Right: Mr. H. Ashley Mason, overseas trade director.

(See C. & D., December 20, 1947, p. 745.)

TRADE NOTES

Record Sales. — Picot, Ltd., 191 Hammersmith Road, London, S.W.6, announce that the sales of their Gratitude perfume reached a record figure during 1947.

One Strength Only.—British Alkaloids, Ltd., Dashwood House, 69 Old Broad Street, London, E.C.2, announce that T.C.P. ointment is now available exclusively in one standard strength.

New Packings.—Kerbina, Ltd., 47 Westow Street, London, S.E.19, state that Kerbina tablets are now packed in three sizes (21, 42 and 168 tablets) at new revised prices. Supplies are available from wholesalers.

Increased Prices. — On account of increased costs of raw materials, the retail prices of Rodine phosphorus and red squill rat poisons are being increased from January 5 by the manufacturers, Thomas Harley, Ltd., Perth.

Agents Appointed. — May, Roberts & Co., Ltd., 47 Stamford Hill, London, N.16, have been appointed distributing agents to chemists for Marion Moore's liquid shampoo, manufactured by Hannetta, Ltd., London.

Points Position.—Kings of Kingsbury (Sales), Ltd., 1 London Bridge, London, S.E.1, issue a reminder that the ration value of Oatrex medium (green label) is four points per lb. No points are required for Oatrex fine (red label). New prices came into operation on December 1, 1947.

Sponges from Stock.—Hirst, Brooke & Hirst, Ltd., Sheepscar Works, Leeds, 7, hold an assortment of selected honeycomb sponges which are available for the home trade. Sold under the brand name Solace, they are individually packed in attractively printed cellophane bags. Showcards are available.

Rubber Publicity.—The British Rubber Development Board, Market Buildings, Mark Lane, London, E.C.3, has issued Vol. 1, No. 1 of a new periodical, "Rubber Developments." The publication, a forty-page illustrated booklet, records progress in production and applications of the commodity.

Advertisement Campaign. — National and local advertising is commencing this month for Johnson's celery perles, bronchial lozenges and iodised throat tablets, manufactured by Johnson Agencies (Proprietaries), Ltd., Clarendon Works, Horsham, Sussex. An announcement by the company will shortly appear in these columns.

Terms Modified. — Mersons (Sutures), Ltd., St. John's Hill Works, Edinburgh, 8, announce an alteration in prices and quantity discount terms to wholesalers and hospitals for ligatures and sutures, effective as from January 1. A new price list has been issued, and copies will be supplied, on request, to any wholesaler, hospital or surgeon.

Outcome of a Medical Exhibit.—J. F. Macfarlan & Co., 8 Elstree Way, Boreham Wood, Herts, whose well-known anæsthetics and pharmaceutical specialities were among items displayed at the London Medical Exhibition recently, record that the exhibit aroused considerable interest, and that subsequent inquiries have been numerous.

Pre- and Post-Budget Prices.—The correct post-Budget prices for Fennings' children's powders, little healers, fever mixture, adult powders and other specialities, are given elsewhere in the current issue of THE CHEMIST AND DRUGGIST. By inadvertence pre-Budget prices were included in the makers' announcement in these columns on December 20, 1947.

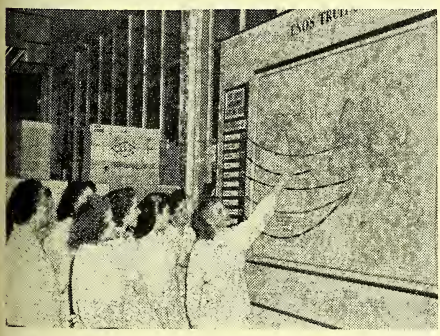
Assurance Scheme for Employees.—A scheme for pensions and life assurance was introduced on December 1, 1947, for their employees by Addis, Ltd., The Brush Works, Hertford. The scheme makes provision for past years of service (in some instances twenty to forty years). Employees' contributions are deducted from wages and are supplemented by a generous contribution from the company.

British Exhibition at Copenhagen.—An exhibition of goods of British manufacture is being held in Copenhagen from September 18 to October 3. The organisers are the British Import Union, Copenhagen, in consultation with the Federation of British Industries and with the approval of the British and Danish Governments. Exporters wishing to take part are invited to apply for space to the Exhibition Committee, British Import Union, Raadhuspladsen 45, Copenhagen. Further information may be obtained from the London Office of the Copenhagen Exhibition, Earls Court Exhibition Building, London, S.W.5.

New Display Material.—ALLCOCK PRODUCTS, LTD., Birkenhead, are now in a position to offer pharmacists and whole-

salers who hold stocks of uncarded Nailoid a limited supply of small display cards for the product; requests should be sent in on postcards.—AVA, LTD., 9 Park Hill, Clapham, London, S.W.4, have issued new display packs to hold three soapless toilet tablets. — A new omnibus poster issued by EX-LAX, LTD., Slough, Bucks, is booked to appear on London transport vehicles and on certain provincial omnibuses in 1948.— Attractive two-dozen display containers are now available for Vick inhaler from J. C. GAMBLES & Co., LTD., 209 Blackfriars Road, London, S.E.1.

Seasonal Greetings. — PRENTIF, LTD., Long's Court, St. Martin's Street, London, W.C.2, have distributed their usual wall calendar, which this year includes an order form with details of prices, bonus terms, etc., on the back of each monthly sheet.—A souvenir of the special window display put in by HORACE WRIGHT, The Chandos Pharmacy, High Street, Edgware, in celebration of his quarter-century in business (see *C. & D.*, 1947.I.751), has been issued in the form of a four-page leaflet entitled "25 Years, or From Leeches to Penicillin," with illustrations by Mr. Wright himself of picturesque old buildings in Edgware and the neighbourhood. — A Christmas greeting card received from J. M. LEFEBURE (chemicals for the pharmaceutical and essential oil industries), 2 Rue Markelbach, Brussels, Belgium, carries a handsome reproduction from an incunabulum, the original of which dates back to 1490.



EXPORT PRODUCTION CHART.—Operators at the factory of J. C. Eno, Ltd., Whippendell Road, Watford, shown studying their export production chart and map which shows the countries to which the Eno's Fruit Salt is being shipped. The company has on hand orders for more than sixty overseas countries including the "hard-currency markets" of Sweden, Denmark, Switzerland, South and Central America.

Proprietary Articles Trade Association

THE following alterations involve basic retail or standard wholesale prices and do not arise from increases in the rate of purchase tax.

Alterations to Protected List (Part 1). — *John Bell, Hills & Lucas, Ltd.*, Cold capsules, J.B. brand, 10s. doz., tax 33⅓ per cent., inclusive retail price 1s. 8d.; Tonic phosphates, 4-oz., 20s. 9d. doz., tax 33⅓ per cent., i.r.p. 3s. 4d.; 8-oz., 35s. 6d. doz., tax 33⅓ per cent., i.r.p. 5s. 9d.; 16-oz., 67s. 6d. doz., tax 33⅓ per cent., i.r.p. 11s. 3d.

British Schering, Ltd., Medinal tablets, tubes of ten 5-gr., 13s. 6d. doz., tax 33⅓ per cent., i.r.p. 1s. 10½d.; tubes of ten 7½-gr., 19s. 6d. doz., tax 33⅓ per cent., i.r.p. 2s. 8½d.; Veramon tablets, tubes of ten 6-gr., 18s. doz., tax 33⅓ per cent., i.r.p. 2s. 6d.

Carter Products, Inc. (Agents: *Thomas Marns, Ltd.*), Carter's little liver pills (large size), 28s. doz., tax 33⅓ per cent., i.r.p. 3s. 10d.

Fennings Fever Mixture, Price to retailers for two-gross lots, 10s. doz.

Hough, Hoseason & Co., Ltd., Reboma, 15s, 3d. doz., tax 33⅓ per cent., i.r.p. 2s. 3d. Prices for three-doz. quantities to be deleted from list.

Liqufruta Laboratory, Liqufruta, 12s. doz., tax 33⅓ per cent., i.r.p. 1s. 8d.; 28s. 9d. doz., tax 33⅓ per cent., i.r.p. 4s. Prices for Liqufruta Medica will be circulated later.

Lintox, Ltd., Lintox, pint size, 52s. 3d. doz., tax 33⅓ per cent., i.r.p. 8s.

Macleans, Ltd., Macleans hydrogen peroxide, small size, 5s. 5d. doz., tax 33⅓ per cent., i.r.p. 10d. [Corrected note].

Bob Martin, Ltd., Minimum parcel for bonus terms: £2 3s. 6d. (carrying a bonus of nine 8d. packets of condition-powder tablets). Orders over £2 3s. 6d.: Total value of order (comprising Bob Martin preparations and Tibs) will be divided by 4s. 10d.; for each 4s. 10d. worth of goods purchased, one 8d. packet of condition-powder tablets will be given free.

Modern Health Products, Ltd., Natex, large size, 126s. doz., tax 33⅓ per cent., i.r.p. 19s. 3d.

Sanitas Co., Ltd., Sanitas, 9s. 9d. doz., tax 33⅓ per cent., i.r.p. 1s. 4d.; 14s. 3d. doz., tax 33⅓ per cent., i.r.p. 2s.

Scott & Bowne, Ltd., Prices in Eire: Scotts emulsion, medium, 3s. 3d., 31s. 2d. doz.; large, 5s. 6d., 52s. 10d. doz. 45s. parcels, 29s. 2d. and 49s. 6d. doz. respectively. (Including package tax.)

W. Woodward, Ltd., Woodwards gripe water, 13s. 8d. doz., tax 33⅓ per cent., i.r.p. 1s. 9d.; six doz., 13s. 2d. doz., twelve doz., 12s. 8d. doz.

Wright, Layman & Umney, Ltd., Liquor Carbonis Detergens, small, 14s. 3d. doz., tax 33⅓ per cent., i.r.p. 2s.; medium, 27s. 3d. doz., tax 33⅓ per cent., i.r.p. 4s.

Additions to List (Part 2).—*Madeleine (Perfumers), Ltd.*, Madeleine setting-lotion, 4-oz., 12s. doz., tax 125 per cent., i.r.p. 2s. 9d.; brilliantine, 2-oz., 10s. doz., tax 125 per cent., i.r.p. 2s. 3d.; bay rhum, 2-oz., 10s. 6d. doz., tax 125 per cent., i.r.p. 2s. 6d.; solid brilliantine, lavender and Cologne, 3½-oz., 6s. 6d. doz., tax 125 per cent., i.r.p. 1s. 6d.; Cologne and lavender, 7-oz., 24s. doz., tax 125 per cent., i.r.p. 5s. 6d.

DEATHS

ABERCROMBY.—At 3 Belgrave Terrace, Corstorphine, Edinburgh, on December 11, 1947, Mr. George MacVean Abercromby, M.P.S., and Mrs. Abercromby. Mr. Abercromby qualified in 1914. He and Mrs. Abercromby were found dead in bed in their home; they had not been seen for a week by neighbours, and when the police entered the house they found them lying in a room with a gas fire burning; one element of the fire was missing.

DONNELL.—At a Dublin hospital on December 26, 1947, Mr. Armar J. Donnell, M.P.S.I., a director of Hayes, Conyngham & Robinson, Ltd., aged fifty-four. Mr. Donnell, who was a native of co. Tyrone, was educated at Foyle College, Londonderry, where he played rugby for his school. As a pharmaceutical student he had a brilliant record, winning the silver medal of the Pharmaceutical Society of Ireland when he qualified in 1916. For some years he was manager of Henry Bell, Ltd., Waterford, and subsequently became representative for Bayer Products, Ltd., in the south of Ireland. Later he became associated with Messrs. Hayes, Conyngham & Robinson, where his keen business acumen quickly brought him to the front, and he was made a director. To Dublin chemists he will be best known as a most hard-working member of the committee of the Irish Drug Association, upon which he was regarded as the outstanding price-fixing authority. There was a large and representative gathering of Dublin pharmacists at the funeral at Dean's Grange.

DOUGLAS.—At a nursing home in Peebles on December 27, 1947, Mr. James Malcolm Douglas, M.P.S., Queensdale, Peebles. Mr. Douglas qualified in 1896. He was formerly in business in Honolulu.

FOYLE.—On December 9, 1947, Mr. C. H. Foyle, founder and chairman of Boxfoldia, Ltd., carton manufacturers, Bournbrook, Birmingham, 29. Although, for the past three years, Mr. Foyle had not been able to participate actively in the management of the company, he had maintained a keen interest in the organisation of production, in social development within the business, and in the work of the Charles Henry Foyle Educational Trust, which he established in 1940.

GILMOUR.—On December 11, Mr. William Gilmour, M.P.S., 16 Hayes Close, New Writtle Street, Chelmsford, aged seventy-four.

GRAY.—Suddenly, on December 17, 1947, Mr. John Gray, Ph.C., 51 Antrim Road, Belfast, Northern Ireland. Mr. Gray qualified as a registered druggist in Ireland in 1901, and in 1927 was registered as a pharmaceutical chemist, Northern Ireland. His business was one of the oldest in Belfast. He was a member of the Chemists' and Druggists' Society of Ireland, and the Ulster Chemists' Association; he was also a Freemason. The funeral took place on December 20, 1947.

JONES.—On December 26, 1947, Mr. William Jones, L.P.S.I., 101 Sandford Road, Dublin, formerly of 87 Manor Street. Mr. Jones was registered in 1897.

MACMASTER. — At Largs, Ayrshire, on December 16, 1947, Mr. Thomas Macmaster, M.P.S., 10 Vanna Road, Glasgow, W.4. Mr. Macmaster qualified in 1896.

O'MALLEY.—At a special meeting of the Mayo Pharmaceutical Association held in Castlebar recently, and presided over by Mr. G. Golden, M.P.S.I., Westport, a vote of sympathy was passed, on the motion of Mr. George Hewson, seconded by Mr. Thomas Stack, with the relatives of the late Mr. Austin O'Malley, M.P.S.I. (see *C. & D.*, December 20, 1947, p. 744). The meeting was then adjourned. Mr. O'Malley was in business for some time in Clontarf, Dublin, before opening a pharmacy in his native co. Mayo, where he built up a thriving business. He was a brother of Dr. Owen O'Malley, Clontarf, who qualified as a pharmacist before taking up medicine, and of Mr. P. O'Malley, veterinary surgeon, Castlebar. Only three days prior to his death he had presided over the annual meeting of the Association. Mr. O'Malley is survived by a widow and two children. The interment, which took place at Castlebar cemetery, was largely attended.

PARKER.—On December 9, 1947, Mr. William Parker, M.P.S., 9 Springfield Road, Leicester, aged eighty-six. Mr. Parker qualified in 1884. After fifteen years as proprietor of a pharmacy in South Wigston, Leics, he retired from retail pharmacy and joined his father-in-law in the biscuit industry, in which he remained for the rest of his life.

PEACOCK.—On December 6, Mr. Henry Peacock, 10 Devonshire Avenue, Southport, formerly of 98 Clarendon Road, Southsea, aged eighty. Mr. Peacock qualified as a chemist and druggist in 1889.

PERSONALITIES

MR. A. CARLAW, M.P.S., 40 Cross Street, Fraserburgh, was a successful candidate in the recently held local municipal elections.

MR. A. E. HAIGH (managing director of Townson & Mercer (Australia), Ltd.), suppliers of apparatus and reagents, is planning to make a business visit to Britain in March. He is expected to leave Sydney on February 20.

MR. DAVID SIME, M.P.S., 1137 Argyle Street, Glasgow, C.3, gave a show of his own colour films of Scotland to a meeting of the Scottish Czechoslovak Society in Glasgow recently. Mr. Sime arranged the films under the title "Romantic Scotland."

MR. W. S. TAIT, M.P.S., D.B.A., has been appointed to a post in Manchuria by the Church of Scotland Foreign Mission Committee. Since qualifying from the Heriot-Watt College, Edinburgh, in 1945, Mr. Tait has been employed in hospital pharmacy.

MR. R. KINGAN, representative of the British Central Scientific Office in Washington from 1942 to October 1945, has been presented with the United States Medal of Freedom, with bronze palms, for services in co-ordinating chemical defence research work between Britain and America.

MR. LEOPOLD BARNATO, M.P.S., of C. Woollons, 256 Hendon Way, London, N.W.4, who has returned to England after a business and holiday visit to the Gold Coast, Nigeria, Angola, Mozambique, Belgian Congo, North and South Rhodesia, and South Africa, invites correspondence from readers interested in life in these countries.

MR. GEORGE W. MERCK (president of Merck & Co. Inc., pharmaceutical and fine chemical manufacturers, Rahway, New Jersey, U.S.A.) received the American Chemical Industry Medal for 1947 at a joint meeting and dinner of the American Society of Chemical Industry and the New York Section of the American Chemical Society, held recently in New York. During his acceptance address, which was entitled "Scientists and Management in the Chemical Industry," Mr. Merck introduced as a foreign guest Sir Harry Jephcott, chairman of Glaxo Laboratories, Ltd., Greenford, Middlesex, and chairman of the Association of British Chemical Manufacturers, who was on a visit to the States.

MR. ADRIEN ALBERT, Ph.D., B.Sc. (Sydney), Hon. F. P. S. (Victoria), Hon. M.P.S. (New South Wales), F.R.I.C., who was the lecturer at the Pharmaceutical Society's evening meeting on December 11 (see p. 24), has worked for many years in the field of chemotherapeutics. He arrived in Britain from Australia, on his third visit here, in June of this year, and is at present working under a Fellowship from the Wellcome Trustees. Dr. Albert served a retail pharmaceutical apprenticeship in Sydney, and, in 1932, graduated with a science degree at Sydney University. He then came to Britain, where he was engaged on work for a thesis on the chemotherapy of the acridine compounds at the College of the Pharmaceutical Society, and in 1937 obtained his Ph.D. Shortly afterwards he returned to Australia, where he remained, except for a short visit to Britain in 1942, for nine years. During this time he worked on the theory of chemotherapy interpreted in terms of chemistry and physics. His present activities include writing a book on the acridines.



WILLS

MR. ARTHUR WILLIAM ELCOMBE, 39 Woodside Road, Woodford Green, Essex, a director of Howards & Sons, Ltd., and of Baird & Tatlock (London), Ltd., left £49,418, with net personalty £49,134.

MR. GEORGE KNOWLES, 135 Ravenhurst Road, Harborne, Birmingham, formerly of 305 Monument Road, Birmingham, a retired pharmacist, left £3,295, with net personality £3,239.

MR. KEDGWIN RALPH STEWART THOMAS, M.P.S., Darrendhu, Aberporth, Cardigans, formerly of 10 Church Street, Ebbw Vale, Mon, left £5,905, with net personalty £5,841.

MRS. ELLEN MARION WHITE, Woodstock, London Road, East Grinstead, formerly of The Grand Hotel, Brighton (widow of the late Mr. Edmund White, B.Sc., Ph.C., F.R.I.C., president of the Pharmaceutical Society, 1913-18), left £1,909, with net personalty £1,686.

RECOLLECTIONS OF AN OLD DRUG BROKER

By W. C. Radermacher

I STARTED my business life in June 1878, when I was considered fortunate in being employed as junior clerk in the office of Devitt & Hett (improperly referred to by errand boys as Devil & Hell) after an interview from school in top hat and Eton jacket, plus six months' trial, at the princely salary of £20 per annum. The market clerks of those days were drawn mainly from the numerous articled pupils, who paid £500 and learned the business by helping in the office and later the Sale Room for three years, receiving back £40, £50 and £60 as pocket money. We called them "gentlemen amateurs," and many of them did as little work as possible and eventually disappeared. Before my time, Mr. Andrew Devitt, a younger brother of my employer, was the firm's coffee market man; in time he became chairman of Lewis & Peat, Ltd.

By "Knife-board" to the City

Living in South Kensington, London, I was able to go each day by Underground to Mansion House. In the days of steam, the Metropolitan Line had no extension then beyond the Mansion House at one end and Aldgate at the other. Many less fortunate City men travelled by the old horse bus. They were particularly unlucky in wet weather if they had to climb up to the "knife board" by a few rails opposite the conductor, who stood on a step with his arm through a sling. One of my duties was to call at "The Jerusalem" (the old coffee-house in Cornhill), where in earlier years the seafaring captains used to meet, there to take notes of the latest news of shipping (mostly of sailing vessels, which sometimes took many months on the way). The coffee-house was later supplanted by the Shipping Exchange.

Candles Preferred

Our merchants used mainly to receive consignments, forward business being the exception, and they advised us sometimes long before the arrival of the goods. The brokers used to finance the shipments and obtained heavy loans from their banks. I remember being sent, as a youngster, to exchange some documents and, being puzzled, bringing back the whole bundle of securities to our head clerk, who stood aghast and sent them back before it was discovered; banks are not so lax in these days! There were no telephones or electric light, and several of our merchants still used candles in preference to gas.

It may be difficult for younger readers, who possibly queue up and join their lady friends for coffee or lunch, to visualise the City with only a few pastrycooks—perhaps half-a-dozen round about Mincing Lane—who charged sixpence and fourpence per cup, respectively, for tea and coffee, and served us in the office when we worked late. Otherwise there was little call on their services until the A.B.C., and then Lyons, opened their depôts; there were, however, numerous taverns and eating-houses, which were always full. One remembers the horse-traffic congestion from the docks, wharves, etc., along Tower Street and Eastcheap before the widening brought about by the completion of the Inner Circle, involving the pulling down of the houses. The slush in snowy weather on the macadam roads was appalling. The Tower Bridge, later opened by Queen Victoria, relieved the congestion and dispensed with

Below: Opening day at the London Drug Auction Room, May 12, 1898. The group at the rostrum included Messrs. Lambert, Jones, Dalton (auctioneer), Eastwood and Phillips.





Above: Buyers at a London drug auction in 1898. Among those present were Messrs. Flach (Joseph Flach & Sons, Ltd.), Freudentheil (Freudentheil, Smith & Co.), Gerhardt (G. F. Gerhardt, Ltd.), and H. Wheeler, sen. (Wheeler & Huisking, Ltd.).

the Tower subway and ferry, which we used for visiting the wharves on the other side of the river. Many a time I have toiled up and down those spiral steps and sometimes felt my way along that narrow tube when some young rascal had turned off one or two of the few gas jets.

Cargoes by Sailing Ship

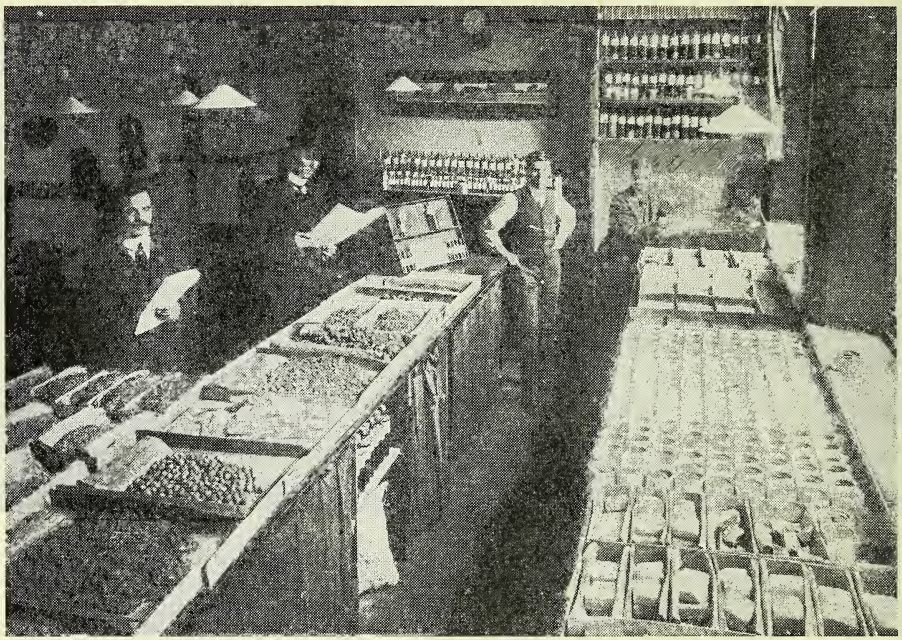
I frequently visited the docks in connection with consignments, or with the arrivals of small sailing vessels bringing cargoes of copra from the South Sea Islands, piassava and other produce from Bahia, etc., which we sometimes sold "ex ship" and weighed overside to the lighters. I was at the Albert Dock when Cetewayo and Dabulamanzi (Zulu king and his brother) arrived after the Zulu war.

It may be interesting to recall some of the market changes. Our business at that time was largely in Ceylon coffee, packed in large casks, but disease unfortunately resulted in the planters turning eventually to tea, which was quite out of our line; we were also brokers for cotton, which came from the South Sea Islands, Egypt and India, but this trade left Mincing Lane for Liverpool, and many of our fellow brokers disappeared or went to Liverpool; the era brings to mind the names Thorburn, Tetley, Braddock, Ogden, Parker, etc. We did a considerable business in mimosa and wattle bark for tanning purposes, brought from Australia; they were supplanted by African bark and later by extract of bark, which went through other channels. About this period I remember indigo (with brokers' sale rooms very much coloured) being practically killed by aniline dyes. Cinchona bark mostly left Mincing Lane, having been diverted to the Continent; Wiedenmann Broicher & Co. were very important buyers of this article, and one of their later partners showed me a cheque for over £100,000 which the firm had paid to a leading broker after an auction.

Liverpool to London

On the other hand rubber, then a comparatively small market in Mincing Lane, has since become so important, with the expansion of the motor industry, that the Liverpool brokers have established themselves in London.

The General Produce Brokers' Association had been recently founded in 1876, and I well remember Mr. William Peat the president and Mr. Hossack as secretary. It was not until ten years later, about sixty years ago, that I succeeded in getting on the drug market and into the old Commercial Sale Rooms, built in 1811, which were so crowded that the overflow in the road at times made it necessary to push through. Until the Commercial Sale



Drugs laid out for inspection before purchase in the Sale Room of a Mincing Lane broker.

Rooms were rebuilt towards the end of the past century, the drug auctions were held at the Corn Exchange Tavern, and I can still picture the well-known buyers in their accustomed seats: Mr. Barron (Barron, Harvey & Co.) with flower in button-hole; Mr. Hill (A. S. Hill & Son), father of the chairman until recently of The British Drug Houses, Ltd.; Mr. Hodgkinson (Hodgkinson, Treacher & Clarke, later Hodgkinson, Clarke & Ward); Mr. Preston (Hodgkinson, Prestons & King); Mr. Francis (Hearon, Squire & Francis); Mr. Charles Umney (Wright, Layman & Umney); Mr. Lescher, sen. (Evans, Lescher & Webb); Mr. Wheeler (Corbyn, Stacey & Co.); the three sons of Horner & Sons; and many other prominent figures in the drug trade. I can also picture in the rostrum Mr. Samuel Figgis, then a partner in Lewis & Peat; also other well-known brokers who sat in their usual seats, otherwise occupied by their market clerks, who fetched them when required for their turn in the rostrum. Many of the drugs, which could only be valued by inspection, were placed "on show" at the East and West India Dock Co.'s warehouse in Crutched Friars, subsequently pulled down, as were other up-town warehouses of the company: Billiter Street and Fenchurch Street warehouses, which I frequently visited in connection with kauri gum. I also recall old Mr. Weare with his stentorian voice, and his son, who were foremen directing the men. The gum calls to mind Mr. Meares (Watts & Co.) and old Mr. Morgan, with goatee beard, of Walker & Morgan.

Weekly Auctions

The auctions were held once a week, and frequently were not finished till the following morning. The catalogues became so large that it was decided to hold separate auctions of vanilloes, which were of limited interest, also of senna. I recollect the auctions one week of about 3,000 tins of vanilloes, which were put on show at St. Katherine's Dock. It was a job to examine each tin. I well remember again the great interest in gum arabic occasioned by the campaign to overthrow the Mahdi in the Sudan, and his final conquest by Sir Herbert Kitchener, afterwards Lord Kitchener. The Sudan had hitherto practically satisfied the demand for this article, and, when the supply was cut off, there was a rush to obtain other descriptions from many parts

of the world. The trade counters of all the brokers were covered with samples of different varieties and grades, and "arabic" auctions were held every month. I recollect selling white mogador gum, which nearly resembled "Sudan" for druggist purposes, at £10 to £15 per cwt.

A Few Prices

Some values of those days seem today very low; for example, honey at 20s. per cwt.; eucalyptus oil, 6d. to 6½d. per lb. for *amygdalina*; up to 1s. per lb. for *globulus*, etc.; Tahiti vanilloes, 1s. per lb.; cardamoms, down to 6d. per lb. for small bleached; bucha leaves, 5d.; carnauba wax, 50s. per cwt.; Japan, 25s. to 30s.; beeswax (in 6-cwt. casks) from Morocco, as low as 90s. to 100s. per cwt., etc.

The telephone not then existing, it was necessary to go "on change" at 3.30 if we wished to see the wholesale druggists or other manufacturers of drugs and chemicals Apart from the firms regularly attending the drug auctions, one well remembers meeting there Mr. Allen (Stafford Allen & Sons, father of Mr. Kenneth C. Allen), Mr. Whiffen (Thomas Whiffen & Son, Mr. David Howard (Howard & Son), and also many others who were to be found in the crowd which gathered at the East end of the Royal Exchange. At 3.35 the gates were closed until 4 o'clock, and one was shut out if late. As typewriting was not then thought of, there were no typists, and it was quite an event for, and at times an embarrassment to, a lady to walk down Mincing Lane; we thoroughly enjoyed Lord Mayor's day, especially when the procession came our way, and the brokers' sale-room windows were crowded with ladies and their children. In those days all the brokers wore "top" hats and black coats. Dark blue serge trousers were also much in vogue, but in the summer many preferred grey toppers and sometimes grey morning suits; in fact, anyone appearing in "the rooms" otherwise attired was made to feel very uncomfortable. There were one or two well-known characters who still wore swallow-tailed coats, and I can so picture an elderly partner of Bagot & Thompson.

The "rooms" were well represented in the Volunteers, notably by Colonel Malcolm (W. F. Malcolm & Co.), Colonel Hampton (R. & J. Henderson), both of the London Scottish, and many others. Incidentally, I was recruited by the then Sergeant Hampton, and marched in his "A" company past Queen Victoria in her first Jubilee review at Aldershot in 1887; Colonel Malcolm, a private with me, subsequently became Colonel, taking the regiment out to France in the first Great War; in those days we hurried from the office on Saturday afternoons to fire our class on Wimbledon Common.

Some of the houses in or round about "the Lane" were very old—unchanged, in fact, from the days when occupied by the families of the "old timers." Only later were they adapted to offices and sale rooms. How sad to see the present desolation caused by fire in what was once a hive of industry, but it may be hoped that the scattered brokers may be able to return before long to their former haunts. Some firms, it may be noted, have been established between one and two hundred years.

TRIBUTE TO MINISTRIES OF HEALTH AND FOOD

THE Ministries of Health and Food have been presented with a Lasker Group Award for 1947 of the American Public Health Association "for the unprecedented programme of food distribution in Great Britain" during the war, "with resulting improvement in the health of the people." It is the first Award to be given to a foreign country. The Awards, which take the form of statuettes of the "Winged Victory of Samothrace," are made to individuals for medical research and public health administration, or to groups.

The citation draws attention to the initiative which the Medical Research Council and the Ministry of Health took before the 1939-45 war in promoting research, spreading knowledge and undertaking a food survey. Although almost all environmental factors deteriorated under the stress of war, the public health in Great Britain was maintained and in many respects improved, it continues. The organisation which lay behind this record is described as "one of the greatest demonstrations in public health administration that the world has ever seen." Lord Woolton, Sir Jack Drummond, Sir Wilson Jameson and Sir John Boyd Orr, as "leaders in this historic enterprise" are specially mentioned.

Sir Wilson Jameson (chief medical officer of the Ministry of Health) attended the seventy-fifth annual meeting of the American Public Health Association at Atlantic City in October to receive the Award for the Ministries. It is now on view at the Ministry of Health, London.



JOHN BELL'S
TONIC-PHOSPHATES

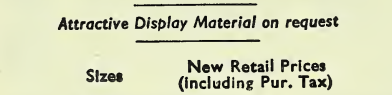
THE PROVED TONIC WITH THE PLEASANT TASTE

You can confidently recommend John Bell's Tonic Phosphates for restoring jaded appetite, and for dispelling depression and lassitude.

Attractive Display Material on request

Sizes	New Retail Prices (Including Pur. Tax)
4 ozs.	3/4
8 ozs.	5/9
16 ozs.	11/3

JOHN BELL, HILLS & LUCAS, LTD.
Oxford Works, Worsley Bridge Rd., London, S.E.26



BURROUGH'S
ABSOLUTE
Cale Distillery London, S.E.11 **ALCOHOL**

TRAGACANTH
SPECIALISTS IN B.P. POWDER
SAMPLES AND PRICES ON REQUEST
FREUDENTHEIL, SMITH & CO., 16 Philpot Lane, London, E.C.3
MANsion House 1924 & 6600. Estd. 1826.

Export Orders
substantially increased by intelligent press advertising. We have 40 years' specialised experience of overseas markets, particularly in Proprietaries, and can offer you valuable guidance. Interview by appointment.
STUART HIRST LTD.
15, Bond Street, Leeds, 1
'Phone: 22779. 'Grams: "Consult," Leeds

● **WILCOX, JOZEAU** ●
EUPNINE-VERNADE
ANTI-DYSPNŒIC
The original Stable Solution of Caffeine Iodide for the treatment of
ASTHMA, EMPHYSEMA BRONCHITIS
● **TELEPHONE TERMINUS 3088** ●
WHITE LION ST. LONDON, N.1

P.A.T.A.
Licoricine
ACTS LIKE MAGIC
FOR COUGHS & COLDS
EXTENSIVELY ADVERTISED
HALL FORSTER & CO. LTD.,
NEWCASTLE UPON TYNE

RANKIN BROTHERS & SONS
(RANKINS PARTNERS, LTD.)
139 BERMONDSEY STREET, LONDON, S.E.1
for **DISPENSING**
CORKS
OWNERS OF THE FINEST CORK FORESTS IN PORTUGAL

THE RELIABLE
Edosan
ALL ELASTIC SANITARY BELTS
EDOSAN LTD. 189, CARLTON VALE, LONDON NW6

INFORMATION WANTED

The Editor would appreciate information about suppliers of the following items:

Teropterin
Rencol iodine smelling salts

The CHEMIST AND DRUGGIST
for RETAILER—WHOLESALER—MANUFACTURER
ESTABLISHED 1859

Circulates throughout the Pharmaceutical, Chemical, Drug, Essential Oil, Perfumery, Cosmetic, Toilet Preparation and allied Trades and Industries in Great Britain, Eire, British Empire and foreign countries

Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire.

VOL. CXLIX JANUARY 3, 1948 No. 3541

Olive Oil and All That

As will be seen from a graph reproduced elsewhere in this issue, imports of olive oil into Britain, which were negligible in the early months of the year, reached, in the months of August and September, levels not far short of the monthly average for 1938, receding in October and back to virtually nil in November. Such a radical change in the supply position was bound to be reflected in the methods of distribution by retail. It was to be expected that there would be some easing of the reservation of retail supplies to strictly medicinal purposes. There was, but pharmacists could be forgiven for not being entirely aware of what was expected of them, for the manner in which the change was notified leaves much to be desired. One important trade body was informed by telephone from the Ministry of Food, and on the strength of that message, confirmed later by a written statement from the Olive Oil Importers' Association, notified its members of the relaxation.

Undated

THE CHEMIST AND DRUGGIST, which expects to be among the first to receive and pass on information of such importance to the trade, was less fortunate. A 'phone call to the *C. & D.*, on December 3, is recorded at the Ministry, but the Importers' statement never reached this office. In consequence, some subscribers were being informed that the position was unchanged at the very moment when other sources were publishing details of increased supplies to the trade. When we applied for, and received, the statement from the Importers' Association, it was found to be an undated communication in the following terms:—

OLIVE OIL DISTRIBUTIONS

Distributions will be at the rate of 132 tons of olive oil per 8-week period, 99 tons being for the chemist trade (an increase of 50 per cent.) and 33 tons for the grocery and allied trades. The supplies to the chemist trade have been fixed after consultation with the Ministry of Health, and it is realised that the quantities released to the grocery and allied trades are relatively very small, by comparison with pre-war consumption and present-day requirements. It is hoped, however, that market conditions will so improve that substantially increased supplies will be available in the latter half of 1948. A grocery allocation was made on November 24, 1947, and future allocations over the next few months will be made as follows:—

	MEDICINAL *Tons.*	GROCERY *Tons.*
December 12, 1947 ...	99	
January 9, 1948 ...		33
February 6, 1948 ...	99	
March 5, 1948 ...		33

Your attention is drawn to the fact that in view of the increased supplies which will be available to the chemist trade, retail chemists are relieved of the obligation to supply olive oil only against doctors' prescriptions although, of course, they would be expected to ensure that sufficient minimum stocks are maintained at all times to meet medicinal demands. It will be appreciated that the above-mentioned distributions represent a very small proportion of normal demands, being, in fact, approximately 25 per cent. of pre-war imports so far as medicinal supplies are concerned and less than 10 per cent. so far as the grocery and catering supplies are concerned. There is no restriction on the use to which purchasers may put the oil comprised in the allocations which are described above as grocery allocations.

It may have passed beyond the recollection of many that, when first imposed, the restriction of sales to medicinal users was effected, not by the usual procedure of Statutory Rules and Orders, but by semi-official advice and, of course, by cutting off entirely the supplies to grocers. Pharmacists could obviously be relied on to husband the small amount they were receiving, and the need for statutory enforcement was not apparent. The position is a little different, however, when the circumstances are reversed and the oil flows more freely. A chemist is entitled to know precisely what he is permitted to do with his extra supplies, and whether the grocer down the street is selling for culinary purposes what

he himself is telling his customers is reserved for medicinal uses.

It may be that a statement from the importers can be taken as meeting the need, but in our view such a notice requires

(a) a specific indication of the date on which it comes into effect;

(b) an indication whether the improved supply position is modifying the restrictions permanently, until further notice, or for a single eight-week period, and

(c) evidence that responsibility for the statement is accepted by the Ministry of Food.

Government by Press Notice

Government by decree has been attacked by more than one writer on the subject of democratic processes, and no doubt with good reason. Government by Press notice from trade bodies, although officially recognised or perhaps sponsored, is something which even those experts have not contemplated, and it is a tendency that should be halted before it goes too far. Otherwise traders, who have difficulty enough in steering their course in line with departmental decrees, will, with the very best intentions, become submerged in uncertainty and confusion.

Trading Account Deficit Reduced

THE aggregates of international trade of the United Kingdom showed a general contraction in November, with exports at £106.3 millions, a decline of £6 millions on the previous month, and imports at £138.2 millions, compared with £161.4 millions in October. The debit balance on the trading account thus fell from £49.2 millions in October to £31.9 millions in November. This is the first result of the cutting-down of "dollar" imports, while the comparatively slight fall in exports is no doubt due to the recent action of a number of Empire and foreign markets in closing their markets to British goods.

A slight decline in the value of exports of the "Chemicals" group during November is recorded, with the total at £5.4 millions, but the aggregate for the eleven months of the year, at £61.5 millions, exceeds by £500,000 the shipments during the corresponding period of 1946. Exports of disinfectants, insecticides and cattle dressings, which are included in the "Chemicals" group, totalled £278,000, against £233,000 in November 1946. The volume of penicillin exported in November increased to 224,973 mega units (210,597 mega units in October) but values declined slightly to £114,100 (£116,592 in October). Shipments for January-November were valued at £987,740. Shipments of glycerin fell right away in November to the negligible total of £892, compared with £8,845 in November 1946 and a monthly average in 1938 of £32,819. Shipments of this product so far this year are valued at £77,500, against £361,000 in the eleven months of 1946. Exports of quinine and its salts during November were maintained at £27,800, while the total for the eleven months destined for overseas markets this year reached £264,850, against £208,000 in the corresponding period of 1946. Despite more difficult conditions, exports of proprietary medicines during November reached the satisfactory total of £473,400, compared with £432,150 in the same month of 1946. So far this year the value of these prepacked goods has amounted to £5,143,400, against £4,228,300 in the first eleven months of 1946. Shipments of natural essential oils continue restricted, with the value during November at £20,000 and £218,000 for January-November. Exports of toilet soap, at £47,400 during November, show an improvement, but the total for the eleven months, at £267,400, does not compare favourably with £296,600 for the corresponding period of 1946.

Countries Showing Increases

Shipments of products of the "Chemicals" group during November to the following markets showed marked increases in value compared with the total for November 1946: Eire, British West Africa, British East Africa, Hong Kong, Australia, New Zealand, Finland, Holland, Spain, Turkey, Belgian Congo, Egypt, Colombia, Venezuela, Chile and the Argentine Republic, while exports to the following countries declined sharply in November: Belgium, France, Portugal, Dutch West Indies, China, United States and Brazil, India, Burma, Malaya, Ceylon, Canada, British West Indies, Sweden, Norway and Denmark.

HENDON AND EDGWARE "BRAINS TRUST"

THE Hendon and Edgware Branch of the Pharmaceutical Society held a "brains trust" recently under the chairmanship of Dr. Robert Hunt Cooke (medical superintendent, Hendon Cottage Hospital). Questions were answered by the following: Miss M. A. Burr (a member of the Society's Council), Mr. J. L. Gilchrist (chairman, British Pharmaceutical Students' Association), Mr. H. Noble (deputy secretary, National Pharmaceutical Union), Mr. J. Anderson Stewart (chairman, West Middlesex Branch, and secretary, Middlesex Pharmaceutical Committee), and Mr. Horace Wright (vice-chairman, Hendon and Edgware Branch). Questions were answered as follows:—

Education and Apprenticeship

What are the views of the Brains Trust on the new education proposals? MISS BURR: The present course is too concentrated and not in line with other professions. The proposed new scheme would lead to a greater development of social spirit amongst students. MR. WRIGHT: A return to professional standards is imperative. MR. NOBLE: The greatest need is to cut out the dead wood. The lengthening of the course is unnecessary and undesirable at this stage. MR. GILCHRIST: In the eyes of doctors and the public, pharmacy is not a profession. Steps should be taken to improve the practice of pharmacy before consideration is given to new schemes of pharmaceutical education. MR. ANDERSON STEWART: The Society's Council leaves too much in the hands of the teaching staffs, who are out of touch with reality. DR. HUNT COOKE: General opinion favours the new scheme but some think it ill-timed. The public is willing to take advice of the pharmacist, whether professional or not.

Is an apprenticeship necessary? At what stage in a student's training should he serve his apprenticeship? MR. GILCHRIST: Practical experience is a first requirement. MR. NOBLE: Apprenticeship should be taken before qualification and should extend over a minimum of two years. The Society should exercise more supervision. MR. ANDERSON STEWART: Two years' apprenticeship should be taken after the Preliminary Scientific examination, but before qualifying. MISS BURR: If apprenticeship were entered upon after taking a B.Pharm. degree, the apprentice's knowledge might exceed that of his master.

Dispensing Proprietaries

Should makers' labels be removed from proprietary medicines when dispensed, and should a dispensing fee be charged for such medicines sold on prescriptions? MR. WRIGHT: All dispensing, without exception, should carry a proper dispensing fee. Where doctors are unable to give directions original labels might be left on. MR. ANDERSON STEWART: 30 per cent. profit and a dispensing fee is given under the N.H.I. contract. MISS BURR: A dispensing fee should be charged, but it should be an agreed universal one. DR. HUNT COOKE: If an original package is required it is my practice to mark the prescription accordingly. In the absence of specific instruction to the contrary, the pharmacist should dispense under his own label.

Is the Brains Trust in favour of pricing all prescriptions in code? MR. WRIGHT: An excellent idea but unlikely to be achieved. MISS BURR: Until a higher degree of unity is achieved the idea is of little value. It is a pity the private pharmacist does not use a universal code for pricing. MR. NOBLE: There should at least be an agreed code in any given area. Under the National Health Service little pricing will be necessary.

Is the use of a National Formulary in the interests of the patient? MR. ANDERSON STEWART: Formularies do not best serve the interests of the public. MR. WRIGHT: The use of a formulary is ethically sound if it is a good formulary and is used reasonably. MR. GILCHRIST: Formularies encourage laziness in prescribing and in dispensing.

Branch Representatives' Meetings

Should the Branch Representatives' meeting be dissociated from the British Pharmaceutical Conference? MISS BURR: The Branch Representatives' meeting may be regarded as a recruiting ground for Councillors of the future. Separation would be detrimental to pharmacy. In addition to the joint meetings there could well be other meetings of Branch Representatives during the year. MR. ANDERSON STEWART: The joint meeting tends to attract scientific men rather than Branch Representatives as such, but it is good that the rank and file should meet the scientists. I suggest two Branch Representatives' meetings, one in May and one during the Conference. MR. WRIGHT: Separation is desirable.

Should the N.P.U. be the negotiating body to represent contractors under the National Health Service? MR. NOBLE: The contractors have approved the N.P.U., which has been the negotiating body for twenty-five years. MR. ANDERSON STEWART: In the National Health Service there will be more employees concerned than employers; it would be politic for the N.P.U. to take employees into the negotiating body on questions of working conditions and hours. MR. GILCHRIST: The Society should seek to change its charter and become the negotiating body for all interests, payment and conditions included. MR. NOBLE: The Ministry of Health would negotiate only with contractors on terms of contract.

What is the future of retail pharmacy? MR. WRIGHT: The pharmaceutical side will eventually be separated from the other aspects of pharmacy. The "melting pot" stage is rather frightening. MR. GILCHRIST: Future pharmacies should be ethical establishments staffed only with pharmacists. MR. NOBLE: The growth of health centres may gradually change retail pharmacy, and cause some pharmacies to deteriorate into drug stores. MISS BURR: Pharmacy is accorded recognition in the new Health Service and will prove fully capable of shouldering its increased responsibility. MR. ANDERSON STEWART: Under the National Health Service dispensing will increase two-and-a-half times, giving ample work and remuneration for all.

PUBLIC PHARMACISTS DISCUSS EDUCATION

AT the December meeting of the London Branch of the Guild of Public Pharmacists, MR. C. W. MAPLETHORPE (chairman of the Pharmaceutical Society's Education Committee) outlined the present education policy of the Society.

The speaker described the history of pharmaceutical education in Britain, explaining how the Chemist and Druggist qualification, intended originally to be an assistants' qualification, had become the standard qualification. Ph.C.s had tended to leave retail pharmacy for industrial or hospital work. Mr. Maplethorpe said the advances in medicine and pharmacy demanded men with much wider knowledge of scientific problems than had been the case ten or fifteen years ago, and the Ph.C. should be the first and most important qualification in pharmacy. Describing the introduction of the University degree in pharmacy and its recent extension to a three-year post-intermediate course, he said the Society's qualification could not be allowed to fall behind. Opponents of the policy took too short and narrow a view of the pharmacist's opportunities in the National Health Service. The details of the proposals had been published many times, he said. Students registering before March 1948 would be able to qualify on the old regulations. After 1952 it was proposed to extend the post-intermediate course to three years; the proposals would be re-examined in 1950. The advances were in line with Continental practice, behind which British pharmacy had been lagging too long. In Holland and Switzerland there were six-year academic courses. In Canada there had been a general improvement, particularly in British Columbia, where training had been changed from apprenticeship only to a full three-year University course after an entrance examination of Higher School Certificate standard.

In discussion, MR. J. R. ELLIOTT emphasised the need for training in mathematics in view of the hospital pharmacist's increasing interest in pharmacology. MR. G. TEESDALE pleaded for part-time courses and diplomas in single subjects for the chemist and druggist who was finding it increasingly difficult to obtain promotion. MR. H. S. GRAINGER suggested that apprenticeship should be under the direct supervision of the colleges and that apprentices should serve some time in each branch of pharmacy.

MR. G. RAINE said there was a place in pharmacy for a technician's grade. Much of the pharmacist's work (e.g., making normal saline) was of a routine character which might well be delegated to trained technicians. MR. MAPLETHORPE agreed and referred to the existence of a technician's grade in Holland. It was important that technicians should be trained on a totally different syllabus from pharmacists, so as to avoid any tendency for them to assimilate the profession, as had happened with the old Chemist and Druggist qualification. MRS. ROBINSON said that apprentices who served their articles before their final qualification derived greater benefit than post-graduate apprentices. MR. T. TELFORD hoped that remuneration would advance to correspond with the education standard.

MR. LINSTEAD IN MANCHESTER

A LARGE audience listened to the secretary of the Pharmaceutical Society (Mr. Hugh N. Linstead, M.P.) in Manchester on December 11, 1947, when he gave a talk on "Pharmacy under the National Health Service." Professor H. Brindle presided.

Mr. Linstead said that the service given by medical and dental practitioners and pharmacists was national in scope. He discussed how far the Ministry might seek to exercise control of those professional bodies and hinted that the Minister might issue directions governing the standard of service demanded from contractors; he might go further and set standards of qualification for dispensers. That was a danger, said Mr. Linstead, to a self-governing profession. If the Minister endeavoured to impose a lower professional standard the Society, with the powerful backing of its members, would strenuously oppose the proposal. The State must pay the right fee in order to get the necessary first-class standard.

Two Series of Negotiations

It was unfortunate that two series of negotiations were now going on: with the Society and the Guild for hospitals and general conditions, with the Contractors' Committee of the National Pharmaceutical Union for pharmacists in retail practice. It would have been better for the hospitals to be linked with the general practice of pharmacy, for both sections could have been helpful to one another. In the long run the lack of a unified service might prove a weakness. The problem of man-power was serious. They estimated that the number of scripts dispensed would be double that done under N.H.I. Would they need double as many or half-as-many-again pharmacists? There were sufficient pharmacists amply to provide the service under the new Act, but maldistribution was the difficulty. Pharmacists must be prepared to give more time to their professional work, and should not attempt substantially to increase the number of pharmacies; it would be well if pharmacists prepared now for the additional work. Where extension of departments was necessary, plans should be made and licences to carry out the work secured. If there was delay, the Society or the N.P.U. would assist in securing priority. In continental pharmacies laboratory assistants were engaged in jobs of a mechanical nature or in less responsible technical work. Such laboratory assistants might find a place in British pharmacy. If pharmacists provided a satisfactory dispensing service they need not fear competition from health centres for many years.

Questions on Laboratory Assistants

Much of the discussion that followed turned upon the question of the "laboratory assistants" envisaged by Mr. Linstead. He said they enabled the pharmacist to devote himself to his more important professional duties. Asked if there was not a danger that dispensing in health centres might be carried on under the control of pharmacists but with a team of unqualified assistants doing the dispensing, Mr. Linstead said he could give no assurance for the future, but he could not envisage anything of the kind. Regarding conditions and terms of service, it would be some months yet before agreement was reached. Before final acceptance they would be submitted to an N.P.U. Conference of Pharmaceutical Committees for approval or rejection; they would also be subject to acceptance by each individual contractor. Mr. Linstead hoped there would never be compulsory limitation of pharmacies and a guarantee of patients to each establishment; practical difficulties included the selection of pharmacies to be closed. They had built up their service in a flexible way. Asked how firms now carrying on a large private dispensing practice would be affected, Mr. Linstead said he could only guess: his estimate was that a reasonable number of patients would continue to pay the doctor for treatment and for medical supplies.

A Turning Worm. — A Chicago physician has prescribed a "scientific remedy" for fish that refuse to bite. Dr. George Apfelbach said that he had fished several weekends in a creek well stocked with bass, but none would bite. He dissolved a small Benzedrine tablet in half-a-glass of water and into this dropped a worm, normally a sluggish, lethargic type of worm. "Instantly the worm was galvanised into action, lashing about in the water and chasing its tail." The doctor immediately impaled the worm on his fishing-hook and cast it into the creek. A moment later he caught a 5-lb. bass. He claims that since that day he has caught many fine fish — all with Benzedrine-stimulated worms.—The "Irish Times."

EXAMINERS' REPORT FOR SCOTLAND

THE annual report for 1947 of the Pharmaceutical Society's board of examiners for Scotland was presented to the Council at its December 1947 meeting. The performance of candidates is summarised below:—

Intermediate

BIOLOGY.—As in previous years, a relatively small number of papers in botany reached a high standard. The "small number" appears to be on the decrease. The number of candidates who just attain the pass mark continues high, and a very slight raising of the standard would cause the number of failures to rise steeply. Questions well within the syllabus, but away from the usual type, are poorly answered by the small number of candidates who attempt them. In zoology, many candidates do not answer the specific questions set and do not illustrate their answers by labelled diagrams. On the whole, students do not understand mitosis and meiosis, and the significance of those processes; the respiratory mechanisms of mammals, and the structure and function of mammalian blood, are also poorly understood. In the practical examinations, dissections are frequently carried out with insufficient regard to neatness and display.

CHEMISTRY. — The average marks were higher than those of the previous year; in all aspects attainment and presentation were satisfactory, with a considerable number of excellent individual papers. On the practical side, results were again uniformly good, though as a rule not outstanding. Rough handling of balances appeared more prevalent than in recent years, and scattering of material in weighing was much too common. There was an increasing tendency to omit details of weighing and burette readings, and often no mention was made of duplicate titrations, even when carried out.

PHYSICS. — The standard of answers in the written examination was uneven; some papers contained good answers alongside others which showed a complete lack of understanding of fundamental principles involved, a deficiency most marked in elementary mechanics. Many candidates whose theoretical knowledge was good showed inability to apply general principles to problems. A relatively large number of the candidates reaching the pass standard showed only a small margin over the standard required. In the practical examination the standard reached was, on the whole, considerably higher, failure to record original observations being the most common fault.

Chemist and Druggist Qualifying

PHARMACOGNOSY.—The theoretical questions were in most cases answered well, but more care in setting out answers and in making sketches is desirable. In the practical examination a more systematic observation of macroscopical characters, followed by identification, is required where one particular drug is given for complete report.

PHARMACEUTICS. — Candidates showed improvement in many directions, especially in sealing and labelling ampoules. The general standard of technique in practical pharmacy is fairly good, though few candidates are able to arrange their work to make the best use of the time allotted. A factor which causes loss of marks is extreme untidiness of benches. Failure to translate properly the Latin directions on prescriptions is not uncommon. "To what extent the candidates themselves can be held responsible for this is debatable, since many of them possess no basic knowledge of Latin, and it would appear that the matter receives little attention at the various schools of pharmacy." Several candidates present themselves for examination with practically no knowledge of doses.

PHYSIOLOGY.—There was a slight improvement this year in the scripts submitted for the January and March examinations, but the standard was not high. Scripts in the June examination were satisfactory.

PHARMACEUTICAL CHEMISTRY.—Lack of attention to fundamentals is still the greatest cause of failure. In the written examination, candidates frequently do not read the question carefully; for example, a question asking for methods of determination of aldehydes was answered in 80 per cent. of cases by qualitative tests. In practical work, use of the fine balance has improved though transfer of materials is carelessly done.

FORENSIC PHARMACY.—Few candidates fail in this subject, but the general standard is mediocre. Thus the storage and supply of poisons and Dangerous Drugs in hospital practice is not known with any degree of accuracy; many candidates do not appreciate the difference between the requirements for containers when a poison is to be stored and when sold; in describing the procedure to be followed when dispensing prescriptions containing poisons or Danger-

ous Drugs, students seldom give details of labelling and containers, and, in addition, they seldom state that the dispensing should be carried out by, or under the direct supervision of, a registered pharmacist; while many candidates still state that the supply of tincture of opium should be recorded in the "Opium" section of the Dangerous Drugs register.

Pharmaceutical Chemist Qualifying

PHARMACOGNOSY.—The theoretical questions were answered satisfactorily. In the practical examination, more attention should be given to preparing microscopical slides. The chief weakness was again the identification of powdered drugs. There is a tendency to report a pure powder as being adulterated. Examination of a mixture of more than two drugs in a broken condition was far too often reported as being a mixture of two drugs, no attempt to find a third being made.

PHARMACEUTICS.—The general standard of the written paper was satisfactory, but many candidates appear to memorise a large number of facts which they do not understand and which they are unable to correlate. More attention should be paid to underlying principles. The practical work in aseptic technique and tests for sterility has improved.

PHYSIOLOGY.—Several candidates lost marks by introducing irrelevant material. In the practical examination the results were disappointing. Many candidates had no intelligent appreciation of what they were doing, and it was apparent that much of this was the result of bad training. "The calligraphy of some candidates was disgraceful, necessitating the expenditure of much valuable time and taxing the reader's patience before deciphering the answers. In some cases even numerals could not be read with confidence. The time has surely come when entrants into pharmacy should be compelled to exhibit a handwriting which leaves no room for ambiguity."

PHARMACEUTICAL CHEMISTRY. — Only two or three outstanding papers were received, but there were few really poor papers. In the practical examination the identification of organic compounds and preparation of derivatives were satisfactory, but the quantitative work left much to be desired.

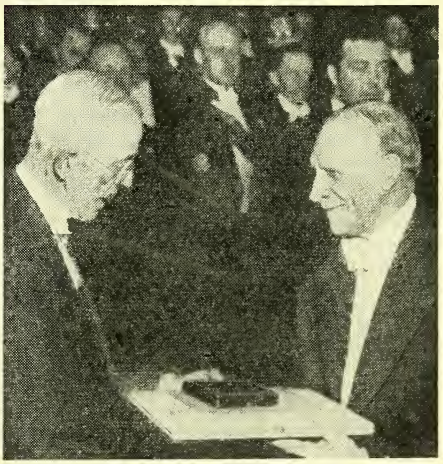
Handling of Cyanides.—A factory poster setting out precautions in handling cyanides has been issued by H.M. Stationery Office.

FIFTY YEARS AGO

Origin of Nobel Prizes

(From the C. & D., January 1, 1898)

THE personal estate in the United Kingdom of Mr. Alfred Nobel, the inventor of dynamite and technical director of Nobel's Explosives Company (Limited), who died at San Remo on December 10, 1896, has been valued at 434,093*l.*, including 216,901*l.*, in England. A number of personal bequests are made, and it is then stipulated that the capital of the whole of the remaining realisable property is to form a fund, the interest from which is to be annually divided in five prizes to those who during the preceding year have done most for the benefit of humanity. . . . One part is to devolve upon him who, within the department of natural philosophy, has made the most important discovery or invention; one other part to him who has made the most important discovery or improvement in chemistry; one other part to him who has made the most important discovery within the department of physiology or medicine; one other part to him who in literature has produced the most excellent work in an idealistic direction; and one part to him who has worked most or best for the fraternisation of the nations and for the abolition or diminution of standing armies as also for the promotion and propagation of peace.



NOBEL PRIZE-WINNER IN CHEMISTRY: King Gustav of Sweden presenting the Nobel prize in chemistry to Sir Robert Robinson at Stockholm on December 13, 1947 (C. & D., November 22, p. 628).

PROTEIN STRUCTURE

Summary of an address by Mr. Adrien Albert, Ph.D., B.Sc., M.P.S., to the December 1947 evening meeting of the Pharmaceutical Society

PROTEINS, which are made up of a possible twenty-five amino acids, had, said Dr. Albert, an average molecular weight of about 35,000. Advances in knowledge about proteins were due to the perfection of a number of new types of physical instruments, and analytical methods, which included:

(1) *X*-RAY DIFFRACTION ANALYSIS. This method had been likened by Bragg to a ship at sea at night, for a good idea of the shape of the coast, he said, could be obtained if we could measure the shape of the waves reaching the ship. In *x*-ray diffraction analysis, *x*-rays were sent into the molecule and a photographic record made of the waves which came away.

(2) ULTRA-CENTRIFUGE. — An apparatus which was a form of air-driven top and was used to accelerate and measure sedimentation.

(3) ELECTROPHORESIS. — A process in which a positive and a negative charge, at a considerable potential difference, were placed at the two ends of a U-tube containing protein solution. Under these conditions proteins moved at definite rates and the U-tube was so constructed that samples in various portions of it could be withdrawn and the constituents examined. A modification called the Schlieren device, which could be applied to the ultracentrifuge and to electrophoresis apparatus, enabled the results to be read during the experiment.

(4) THE ELECTRON MICROSCOPE, which had enabled observers to see the largest protein molecules as distinct particles.

(5) PARTITION CHROMATOGRAPHY. — An analytical method, invented in Britain during the war, in which samples of hydrolysed protein solution were placed on blotting paper saturated with water and one other solvent, and were allowed to travel out at a controlled rate. The positions taken up by the fractions were then compared with standards.

Classification of Amino Acids

Amino acids, which had the general formula given opposite, could be classified according to whether the side chain was water-repelling, water-attracting but not ionisable, or water-attracting and ionisable.

Examples of amino acids with water-repelling side chains were glycine (H— only in side chain); alanine (CH_3—); valine (*iso*-propyl); and leucine (isobutyl). Those with water-attracting, unionisable side chains included serine (HO—CH_2—); cysteine (SH—CH_2—); and threonine $\left(\begin{matrix}CH_3—CH— \\ \quad\quad | \\ \quad\quad OH\end{matrix}\right)$. Those with water-attracting ionisable side chains included:

Aspartic acid (HOOC. CH_2—) and glutamic acid (HOOC. CH_2 CH_2—), which were acidic; and:

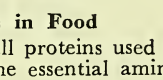
Lysine ($H_2N—CH_2—CH_2—CH_2—$), and arginine:

$$\left(\begin{matrix}H_2N \\ H_2N\end{matrix}\right\rangle C=N—CH_2—CH_2—CH_2—\Big)$$

which were basic.

Proteins in Food

Not all proteins used for food contained all of the essential amino-acids, e.g., gelatin on hydrolysis yielded no tryptophane or tyrosine. Consumption of proteins deficient in essential amino-acids caused the body to burn up more quickly its stocks of proteins containing these essential amino-acids. In practice, however, the deficiency in the amino-acids of one protein was often made good with the amino-acids of others. Wheat proteins were deficient in certain amino-acids, e.g., leucine, but the deficiency could be balanced by the high leucine content of gelatin. Albumin contained no glycine, but gelatin, on the other hand, contained 30 per cent. Protamine consisted almost entirely of basic amino-acids.



General Formula for Amino-acids

Pharmaceutical Significance of Proteins

Among the most important proteins pharmaceutically were certain hormones and enzymes. Many of these substances possessed chemical groups which appeared to be particularly important to their physiological action. The important groups of insulin, for example, were phenolic, disulphide and carboxyl; whereas those of the parathyroid hormone were amino and carboxyl. In amylase of the pancreas the important group was amino, while in that of barley the important groups were phenolic and thiol. The difference indicated that the starch-splitting process of the two enzymes was achieved through different types of mechanism.

Structure of Proteins

The protein with the simplest structure was silk (fibroin). Side chains of the silk molecule consisted of hydrocarbon chains which were not easily linked. The molecules, therefore, assumed a straight fibre shape, the dimensions of which were 100A x 10A wide. Side chains on the same side occurred at intervals of 7A.

In a second group of proteins the molecule was in a folded shape, examples included collagen, which formed sinews and cartilage, and when boiled (i.e., slightly denatured) formed gelatin. Every third amino-acid in the molecule was proline, which turned the chain through an angle. Wool, which broke down into keratin, was an example of a less rigidly folded protein molecule. In fabrics the wool protein molecules were linked by disulphide and salt linkages, but when heated and stretched the molecules unfolded into a fibre form.

In the corpuscular group of proteins the molecule, which the lecturer illustrated with a model, was folded on itself. The structure of corpuscular molecules such as those of albumin had been worked out by Pauling, and the size was found to be approximately 30A x 30A x 60A. The distance between side chains pointing the same way was 7A, and the distance between different layers of the molecules was 10A. The molecule of albumin could be unfolded (i.e., partly denatured), the results of which could be seen when beating or boiling an egg.

Hydrolysates

During the acid hydrolysis of casein, tryptophane broke up; therefore in many casein hydrolysates tryptophane had to be synthesised and added separately. Proteins were having an increasing significance in the treatment of shock by the injection of blood protein. In shock, water left the peripheral blood vessels of the body for the inner organs, and the purpose of injecting protein was to retain the water in the surface areas by osmosis. Albumin was the most efficient protein for this purpose.

Though albumin was a source of trouble by rendering certain drugs inactive, it had a possible function in carrying certain fatty drugs and hormones, such as the steroids, round the body. Fatty substances such as oleic acid had recently been found to play a significant part in the metabolism of bacterial cells. It had been found, for example, that while a good synthetic medium for growing the tubercule bacillus had been made from asparagine and salts, a little oleic acid rendered the medium useless. The addition of serum albumin removed the oleic acid into the fatty interior of the folded structure, however, and rendered the medium non-toxic to the bacteria. No other protein could do this.

Sulphonamides had a capacity for combining with proteins, the more complex sulphonamides more so than the less complex. Penicillin K, which had an extra carbon atom in its molecule, was very easily bound by albumin and was therefore of little clinical use. Serum albumen might prove of value in dispensing insoluble drugs such as hormones and other steroids, which they put into clear solution.

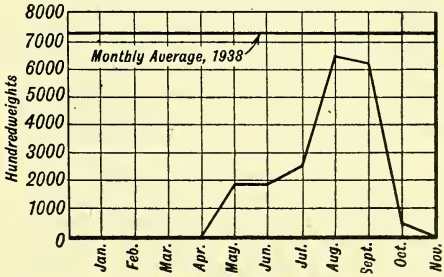
Proteins in Everyday Pharmacy

Everyday applications of protein chemistry included the detannation of sherry by egg white, gelatin, etc., when the basic groups of gelatin combined with the tannic acids to form insoluble compounds. Boiling of fruit and vegetable juice to coagulate the proteins was a practical example of the unfolding of the corpuscular proteins. During the dissolving of enzymes and other proteins the solution should not be shaken to form a foam, as the foam caused a large surface area to be presented which made the proteins unfold. The study of proteins and of the method of how drugs work had enabled workers to search for drugs on more rational grounds than previously.

Antibiotics

Recent work done in Cambridge by Gale had shown that penicillin prevented the entry of glutamic acid into the Gram-positive organisms, which were thus prevented from synthesising their proteins, and died as a result. Gram-negative organisms, however, were able to make their own glutamic acid and were therefore not greatly affected by penicillin.

OLIVE OIL IMPORTS



United Kingdom imports of refined olive oil in 1947

MEDICAL ABSTRACTS

Emotional Dermatites.—The causes of skin diseases may not always be physical. Robertson ("Lancet," July 20, 1947, p. 124) describes a number of causes of "Job's dermatitis" in which the patients, usually middle-aged men, were found to labour, like Job, under a deep sense of grievance. If this difficulty was removed, or even clearly understood by the patient, the dermatitis was found often to clear away rapidly.

Nitrogen Mustard in Mycosis Fungoides. — Nitrogen mustard (methyl-bis [beta-chloroethyl] amine hydrochloride) was "extremely effective" in controlling pruritus and causing involution of the tumours and infiltrated plaques of mycosis fungoides in a case described by Philpott, Woodburne and Waldriff ("Journal of the American Medical Association," 1947. II. 631). Doses of 0.1 mgm. per kilogram of body weight dissolved in 25 mils of saline were injected intravenously daily on each of four successive days. From the second day side reactions included a progressive nausea and loss of appetite. The fourth injection was deferred because of a rapid drop in the platelet count. The author suggests that smaller doses might be equally effective against the condition, and safer.

A New Euphoriant.—Therapeutic trials, upon fifty patients showing symptoms associated with depressive - psychotic and neurotic-depressive states, of a new compound to which the name Synhexyl has been given, are described by Stockings "British Medical Journal," June 28, 1947, p. 918). The compound, 1-hydroxy-3-*n*-hexyl-6-6-9 - trimethyl - 7-8-9-10-tetrahydro-6-dibenzopyran, is a viscous cannabis-like resin, soluble in organic solvents but insoluble in water, alkalis and acids. It is described as a powerful euphoriant with a specific action on the higher centres, particularly the thalamic system and its cortical connections. It was found most effective when administered orally in the form of capsules of a powder made by adsorbing the drug on silicic acid, or as compressed tablets after adsorption on kieselguhr. The dose for normal patients is 5-15 mgm. and for depressive patients 60-90 mgm., while doses of 60-240 mgm. three times a day may be given safely, according to the author, to narcotic drug addicts. Of the fifty patients treated, the neurotic patients were helped more than the psychotic.

Bal in Gold Poisoning.—Five cases of gold poisoning following treatment of arthritis by gold injections have been treated successfully by Cohen and others ("Journal of the American Medical Association," March 15, p. 749), using an injection of Bal (2.3-dimercaptopropanol). The preparation used was a 10 per cent. solution of Bal in peanut oil, with 20 per cent. benzyl benzoate, 1-2 c.c. intramuscularly being the usual dose. Bal has a toxicity of its own, the symptoms being malaise, nausea, vomiting, perspiration, a sense of warmth, and, most commonly, pain in the legs, arms, abdomen, and head. The author suggests that less toxic compounds of Bal (e.g. Bal glycoside) should be employed in future. Ragan and Boots (*ibid.* p. 752) observed "significant" excretion of gold and the disappearance of rashes when treating five patients suffering from dermatitis due to gold poisoning, but four patients had an increase in the symptoms of rheumatoid arthritis within a month of the first administration of Bal. Lockie and others (*ibid.*, p. 754) consider that Bal therapy "deserves further trial" in the treatment of reactions caused by gold salts. The action of Bal in gold poisoning is thought to be similar to its action in arsenical poisoning.

Overdosage of Benadryl.—Commenting on the observed symptoms of overdosage of Benadryl (through self-medication). Swartzberg and Willerson ("Journal of the American Medical Association," February 8, p. 393) state that the symptoms, which appear to be an intensification of the normally expected action or side reaction of the drug, include decreased stomach secretion, metal lethargy, numbness and tingling of the extremities, and pallor. Weil (*ibid.*) states that a boy aged three-and-a-half, who was given 100 mgm. of Benadryl by his parents in an endeavour to relieve hay fever, became "irrational, not knowing where he was, and not recognising his parents. . . . he 'dived' from his bed to the floor." The child had been given, however, 50 mgm. up to four times a day previously without any side effects. Weil advises that the accepted dose for children of 2 mgm. per lb. of body weight should be adhered to. Borman (*ibid.*) reports that a nun aged eighteen who took an overdose of the drug (about 2,000 mgm. in forty-eight hours), possibly after being encouraged by the relief obtained from taking two 50-mgm. tablets in twelve hours on medical advice, became lethargic and disorientated.

GUIDE TO NEW MEDICAMENTS

Information—in a form convenient for mounting on record cards for permanent card-index systems—about new proprietary medicaments supplied principally on a prescription. Their mention in these columns does not imply Editorial recommendation. A limited number of reprints will be made available to subscribers on application.

TUAMINE SULPHATE

MANUFACTURER: Eli Lilly & Co., Ltd., Basingstoke, Hants.

DESCRIPTION: A 1 per cent. solution of 2-aminoheptane sulphate.

INDICATIONS: Nasal congestion.

HOW SUPPLIED: 1-oz. and 16-oz. bottles.

NOTES: The solution is applied by atomiser, dropper or tampon. It has the manufacturer's number 71.

GELUSIL

MANUFACTURER: William R. Warner & Co., Ltd., Power Road, London, W.4.

DESCRIPTION AND FORMULA: Compressed tablets containing: Magnesium trisilicate 7½ gr.; and partially dehydrated aluminium hydroxide gel, the equivalent of 4 gr. aluminium hydrate.

INDICATIONS: Gastric hyperacidity and peptic ulcer.

DOSAGE: One to four tablets with or without water, repeated as directed by the physician.

HOW SUPPLIED: Boxes of fifty tablets, each tablet wrapped in transparent tissue.

PHYSEPTONE

MANUFACTURER: Burroughs Wellcome & Co., 12 Red Lion Square, London, W.C.1.

DESCRIPTION: *dl*-2-Dimethylamino-4:4-diphenylheptane-5-hydrochloride, supplied in a solution (10 mgm. in 1 mil), packed in 1-mil ampoules, or in compressed tablets containing 5 mgm.

INDICATIONS: Relief of pain. Its effect is mainly analgesic, and only moderately sedative or hypnotic. Has a suppressive action on the cough reflex.

DOSAGE: Average analgesic dose: 10 mgm. by oral, intramuscular, or intravenous route. May be repeated every three or four hours.

HOW SUPPLIED: Boxes of twelve ampoules, and bottles of 25 and 100 tablets.

NOTES: The tablets are scored to facilitate administration of 2.5-mgm. doses. It is claimed that weight for weight Physeptone is superior to morphine in pain relief.

ANAXERYL

MANUFACTURER: Bailly, Ltd., London. Concessionaires: Bengué & Co., Ltd., Mount Pleasant, Alperton, Wembley, Middlesex.

DESCRIPTION AND FORMULA: Ointment containing:

Dioxyanthranol	0.22 gm.
Resorcin	0.20 gm.
Salicylic acid	0.30 gm.
Ichthyol	0.85 gm.
Balsam of Peru	1.0 gm.
Birch tar oil	0.30 gm.
Soft paraffin	to 100 gm.

INDICATIONS: Dry squamous dermatosis, psoriasis, seborrhoea, lichen, tropical tinea, etc.

DIRECTIONS: Apply once daily.

HOW SUPPLIED: Tubes of approximately 40 gm.

A SCHEME FOR THE SMALL EXPORTER

By H. Catleen, D.Sc., M.I.Ex.

THE Export Promotion Department of the Board of Trade, through its Regional Export Officers, has started to recommend and encourage the formation of mixed export groups among non-competitive smaller manufacturers in a single trade. The idea is to get together four to eight, or even ten, smaller manufacturers who manufacture non-competitive articles, none of whom would himself have the necessary time, staff, knowledge or experience in export trading. Such exporters might easily spend much money to build up an export trade and pay dearly for experiences most newcomers encounter. If, however, several manufacturers join forces, each saves his own time, does not overburden his staff, saves most of the expenses the venture would cost him, and benefits from the knowledge and experience of a first-class export manager whom, without combining with other exporters, he could not afford to pay.

Combined Staff

Such a mixed export group would, of course, engage an export specialist and a small staff (say two or three) as a start. One of the manufacturers might even be able to provide accommodation for this export office staff to save expenses. The duties of the specialist in charge of the export trade of such a group would be:—

(a) To help each manufacturer in the group in the general preparation of his export material; in export packing, export calculation, compiling export price lists and other printed matter, and setting up an export sample collection.

(b) To build up a sales organisation abroad. For this purpose he will have to approach, on behalf of the members of his export group, foreign and British Chambers of Commerce, Consulates, Trade Commissioners, Bankers and Forwarding Agents, who will, through their personal recommendations, put him in touch with suitable import firms or import agencies abroad, with experience in the particular trade of the export group. Having achieved this aim by securing the services of reliable agencies all over the world, he turns his attention to

(c) The actual exporting (attending to orders, shipping, transport, finance and the correspondence involved).

The many advantages of such a scheme can be recognised at a glance:—

(1) The expenses of the group's export office are shared, so that one manufacturer has only to pay one-eighth or one-tenth of the full expenses.

(2) The group as a whole is more influential than an individual smaller manufacturer, and commands more attention in the world's markets, thus, in turn, interesting better and larger import agencies and securing more and larger orders. The influence the manufacturer in his capacity as group member can exercise on his agency abroad develops into a big advantage. An agency soon realises the strong connection between group members, and strives not to disappoint any one of them for fear of general consequences. Experience has proved that most agencies do their utmost to satisfy every member, even those whose goods may be more difficult to deal with. The system puts the smaller manufacturer therefore on the same platform in the export markets as his bigger competitors in the same industry.

(3) By grouping the shipments of the various members for one destination in "collective" transports, many expenses are saved and small shipments of single members arrive at their destinations at the same cheap freight rates as large consignments. This enables the import agent abroad to test his market first, by starting to buy small quantities from each manufacturer in the group, without having to put up with (a) high "minimum freight rates"; (b) heavy risks in buying large quantities from the outset of articles new to his market.

An Example

About two years ago, twelve northern manufacturers (under the guidance of the author of this article) formed such a mixed export group. They have already built up a substantial and regular export trade to about thirty countries. Some of them have been advised by the Government to aim at an export total of 50 per cent. of their turnover, and it is gratifying to report that it was the group system that helped most of them to reach their export target during the second year of their combined efforts. Any manufacturer who would like to know more from the author about the mixed export group scheme should send his inquiries to the Editor, who will see that they are passed on.

MARKETING AND THE EXPORT DRIVE

THE importance of marketing to the export drive and the contribution that the merchant can make were among the matters discussed recently with Mr. Harold Wilson, President of the Board of Trade, by a joint deputation representing the National General Export Merchants' Group and the Import and Export Merchants' Section of the London Chamber of Commerce. The deputation claimed that about three-quarters of the export trade of the country before the war was done by or through merchants. Whilst certain types of manufacturers had well-established and successful selling organisations of their own, this did not mean that a manufacturer could, without additional cost, market his goods abroad. Selling was not the job of a manufacturer as such, and the organisation, knowledge, and attitude of mind required for successful marketing, were not the same as those needed for efficient manufacture.

It was inadvisable for a manufacturer who had not hitherto done a substantial export trade to be put in touch with agents abroad without being made to realise that, in addition, he would have to employ an experienced overseas sales manager with adequate staff in this country. If he were inexperienced in export business he would have no knowledge of the various terms and conditions of payment and credit upon which goods are shipped abroad, nor of the regulations with which he would have to comply, both here and overseas. By selling through export merchants he would be relieved of all these anxieties and it would not be necessary to tie up the capital which he needed for his own business in credits to overseas customers, neither would he incur large overheads without knowing whether sales abroad would justify them.

More important even than these considerations was the fact that inexperienced exporters, apart from the damage they might do to our prestige, could very easily contract heavy losses. From the national point of view it was no answer to say they could insure. Bad debts represented a definite loss to the country, for if exported goods did not enable us to buy imports, it would have been better to have sold them at home. British merchants had their own establishments and their own connections throughout the world. No other country had built up such a network of trading houses. It was a great national asset which should be fully utilised and encouraged by the Government. Within the last twelve months well over 1,000 manufacturers inexperienced in export trade had been put in touch with export merchants.

The President assured the deputation that he and the Board of Trade officials were fully aware of the services rendered by the reliable export merchant to the country. They appreciated the service given to the new entrant in his endeavours to sell abroad. He was in no doubt about the complexities and difficulties of conduct of export trade. The Government realised that it was their responsibility to secure removal or at least modification of the import restrictions imposed by overseas countries and this was a primary purpose in all bilateral negotiations as well as in the longer term International Trade Charter proposals. In particular, every effort would be made to secure openings for goods which could best be spared.

EXPORT CONTROL CHANGES

A NEW Board of Trade Order (S.R. & O., 1947, 2683, H.M. Stationery Office, price fivepence) which came into force on December 31, 1947, consolidates, with amendments, nine earlier Export of Goods (Control) Orders. The following goods may now be exported without a licence: Dinitro-orthocresol and preparations thereof, gum benzoin, gum mastic, saponaceous shaving creams and shampoos packed ready for retail sale, spectacle frames and parts thereof, and penicillin and its salts and concentrates and preparations thereof. Additions to the list of goods for which a licence is required for their export to all destinations, include beeswax, candelilla wax, carnauba wax, ouricuri wax and mixtures (other than medicinal preparations) consisting wholly or mainly of one or more of these waxes; balsam of Peru; balsam of Tolu; bile salts; bismuth compounds; black haw bark; cimicifuga; desoxycorticosterone acetate, diastase, glycine; gonadotrophic hormones; hamamelis bark and leaves; krameria root; lobelia; menthol, natural and synthetic; œstradiol and its esters; œstrone and its esters; podophyllum (*peltatum*); podophyllum resin; progesterone; resorcin; rutin; senega root; slippery elm bark; succinic acid and its salts; succinic anhydride; testosterone and its esters; wild cherry bark; witch hazel (distilled solution). Phenazone has been amended to include phenazone and its salts and preparations thereof.

THE MARKETS IN 1947

A difficult year for manufacturer and merchant

WHAT remains of the second post-war year of trading in the markets, a year of great expectations accompanied by difficulties unprecedented for peace-time, will have ended when this review is read. The difficulties render chemical manufacturers' achievements during the year, therefore, all the more praiseworthy and speak highly of the skill of British chemists and other technologists engaged in the industry. The task of merchants in the drug trade was also beset with perplexities. A wide range of botanical drugs were being admitted into the country under open general licence, and there were indications that further commodities would be restored to the import programme which formerly had been prohibited owing to the currency position. It was hoped that, as the year advanced, further relaxations would make possible the restoration and perhaps an expansion of the entrepôt trade in drugs.

The First Quarter

The manufacturer of chemicals, when looking back on the first three months of 1947, will remember it as one of the most difficult periods the industry has experienced. It is estimated that, during the period of the power cuts, the industry as a whole was not producing more than 40 per cent. of its output capacity, although many makers of essential pharmaceutical products were allowed special facilities for a somewhat higher output. The unparalleled spell of arctic weather which occurred held up deliveries of many raw materials, and the industry was also threatened by a world-wide shortage of alkalis, especially soda ash. The container shortage continued (and still continues) to present problems, and on several occasions appeals were made in these columns for a speedy return of carboys and winchesters, drums, wooden crates and the like. It is against this background that price movements in pharmaceutical and fine chemicals have to be considered. January saw a very strong market with rising costs of oils and fats reflected in higher rates for glycerin; an advance in the price of molasses reacted on industrial spirit and other solvents, while the rates for acetic acid also took an upward turn, followed shortly by advances in aspirin and acetanilide. Similar increases in the prices of non-ferrous metals were responsible for a rise in the rates for bismuth, antimony and zinc salts. Other price increases made in January affected lactates and salicylates, pilocarpine and strychnine, and barium sulphate. Wintry conditions intensified in February and fuel shortages retarded production. A welcome reduction in the rates for mercury salts followed a fall in price of the metal. Higher costs of raw material forced up the price of phenolphthalein, while it was found necessary to make a further increase in bismuth carbonate. The following month saw the market strengthen appreciably; halogen elements cost more, and consequently bromides and iodides were advanced in price. One maker after another announced higher rates for barbitone and chloral hydrate, caffeine and theobromine, phosphoric acid and the hypophosphites. Vanillin, like many other products, was extremely short, and supplies were put on a quota basis.

In the London market the year commenced with most drug items fairly steady. Brazilian menthol was in short supply and firm on spot. Poor-quality Chinese rhubarb was sold at what appeared to be very high prices. A Government scheme to bring in a parcel of agar from Japan attracted attention but many thought that as dollars were involved in the purchase nothing would come of it. However, the sceptics were wrong, and a few weeks later the Ministry of Food consulted with the interested parties as to the best means of distribution; 100 tons of agar was shortly afterwards shipped from Hong Kong. An inquiry for Cape aloes which began about this time was to continue for some months before it was satisfied. Italian produce was showing strength at origin.

Activity in Menthol

The markets at the end of January were very active, with a good export business done in menthol; the Brazilian product on the spot had eased down to 41s. 6d. per lb with c.i.f. values at 36s. In essential oils most products, at first steady, began to show the decline which was to be a feature of the markets later in the year. The Essential Oils Control increased the levy on the c.i.f. value of controlled oil allocations. Aromatic chemicals were still in difficult supply and synthetic products were very firm owing to the prevailing high costs of raw materials. Towards the end of the quarter welcome parcels of Cape aloes came forward at 200s. per cwt., and a good business was done with the Continent. The

Ceylon Government decontrolled the better grades of cinnamon and a more competitive market developed. Brazilian products, such as menthol and carnauba wax, strengthened when the Bank of Brazil suspended purchase of sterling. The first report of beeswax shortage was received, to be followed later in the year by many similar bulletins. Benzoin was dearer at source, and Chinese cantharides was a very strong market. Cascara sagrada was quiet, with an unexpected release of Government-held material (purchased under Lease-Lend), at 257s. per cwt., ex Hull. The quarter ended with a sharp fall in essential oils, including Ceylon citronella, lemongrass, cinnamon leaf and palmarosa, while output of English distilled oils was very low. Expressed oils were subject to several increases during the period, the only exception being sweet almond oil which was fairly steady at 8s. to 9s. per lb.

A Welcome Arrival

April saw the arrival of the first Japanese agar to come on to the British market for some years. Cape aloes was absent from London, and Chinese camphor, for which the demand was heavy, was scarce. Indian henna was distributed on allocation. The supplies of rhubarb coming forward were, if anything, even more infested with weevils than earlier parcels. Subsequent importations from China seldom came up to sample and large stocks of weevily material accumulated in the warehouses. In the chemical markets most products were selling well, and the general tone was firm, with the prospect of higher prices later on. Emetine alkaloidal was advanced in price owing to a rise in the cost of ipecacuanha. Rochelle salt was reduced in price. Mercury saw a further sharp drop in price following on offers by Mexico at prices competing with those for European metal. Offers for new peel cascara sagrada were estimated to make spot values 240s. per cwt. The new crop of senega was reported to be small, owing to late collection. Prices on the essential oil market, with the exception of English-distilled oils, continued to decline. In May the British Industries Fair was responsible for a large increase in the volume of inquiry for fine chemicals. A decline in the sellers' market, which was forecast as imminent, did not materialise. Sellers were little troubled with price considerations, but foreign buyers began to show impatience regarding delivery dates, and some annoyance when they were unable to place orders with manufacturers. High costs of raw materials influenced a further advance in the rates for caffeine and theobromine.

With the approach of summer there was the usual decline in the volume of inquiry in the drug markets with prices fairly steady. The International Trade Organisation in Geneva was considering how it could cut down tariff barriers. Demand for pharmaceuticals was heavy and output continued its upward climb. A parcel of dragons blood was afloat and a renewal of supplies of quassia was expected. Prices of essential oils continued to fall. Carnauba wax on the spot was very dear, with no offers from Brazil. A further seventeen essential oils were removed from control and the levy on allocated oils was reduced from 5 per cent. to its former level of 2 per cent. of the c.i.f. value.

In June imports of quinine and its salts reached a peak of 508,405 oz., compared with the 1938 monthly average of 133,717 oz., and a growing inquiry was received for these products. Thymol and vanillin were in good request but difficulty was still experienced in obtaining supplies. Ephedrine was dearer owing to higher costs of production. Reports from Canada said that buyers were attempting to force down the price of cascara sagrada and that if they were successful a small collection might result; spot prices were around 275s. per cwt. Citronella, lemongrass and a number of other oils were easier on spot, and merchants who had purchased their supplies earlier in the year found the market unfavourable. With an improvement in supplies of raw materials a number of aromatic chemicals became more freely available and manufacturers' prices were reduced. Cinnamon bark and aniseed oils were decontrolled at the end of July. Sweet almond oil was firm, and with the cessation of imports supplies became increasingly difficult. Olive oil prices rose by 3s. 3d. per gall.

Chemicals Firm

During the summer months ouput of the chemical industry made a considerable improvement, though the shortage of caustic soda, soda ash and acetic anhydride, among other raw materials, held back the production of many fine chemicals. The market was firm and small increases were made in the prices of a number of products, including potassium bromide and magnesium carbonate, oxide and trisilicate. An increase in supplies of argols made possible a reduction in the price of cream of tartar and Rochelle salt. Aspirin and acetanilide

were very tight but output of benzoic acid and sodium benzoate showed a slight improvement — but not sufficient to meet the ever-increasing demand for these products. The volume of inquiry for the cinchona alkaloids was great and imports and exports were much higher than they had been for some time or have been since. Mercurials were reduced in price following a fall in quotations for Spanish-Italian metal, while a small increase was made in the rates for barium sulphate. Towards the end of August the suspension of the convertibility of sterling held up to some extent the growing volume of inquiry for chemicals. Rising production costs were responsible for increases in the rates of phenacetin and phenolphthalein.

Hard-currency Problems

The summer lull in market activity in crude drugs saw merchants prepared, in many instances, to accept near bids in order to move stocks. Chinese menthol was firm on spot, and prices at origin were increasing. New-crop senega root was already showing strength; later reports from Canada indicated that a small collection was all that could be expected. Imports of Brazilian menthol rose and there was a considerable trade in the material. American drugs such as hydrastis and lobelia attracted inquiry but little or no supplies were available on the spot. Dar-es-Salaam and Lindi beeswax were unobtainable towards the end of August, and supplies of beeswax throughout the remainder of the year remained tight. Speculation as to the future position of "non-essential" drugs imported from dollar countries was prevalent, and holders, anticipating higher prices, were in no great hurry to sell. Ipecacuanha was a strong item, and the market continued firm throughout the autumn. Canada balsam was scarce on the spot and forward offers were few. Considerable quantities of strophanthus (kombé) were disposed of, and spot supplies towards the middle of September were reduced to a minimum. A reduction was made in importers' quotas of menthol and it was expected that further cuts would be made in imports of other items brought in from dollar countries. On the recommendation of the Directorate of Medical Supplies, restrictions were placed on the importation of grindelia and hydrastis, and no further licences were issued for these commodities. Import licences were granted for agar from Hongkong, most of which was Korean, but some was said to be of Japanese origin. In October it was reported that there were no supplies of Canada balsam at origin, and that collection would shortly be suspended until the spring; spot quotations advanced accordingly. Considerable quantities of menthol were imported from Brazil in October and the authorities decided that no further licences should be granted to import from any source until the New Year. The issue of import licences for benzoin was also suspened, the view being expressed that adequate stocks were available on the spot for domestic consumers' requirements. Revised prices for honey for manufacturing purposes came into operation. Demand for Jamaican and Australian honey, the two varieties imported this season, was on a fair scale, especially for the former, of which almost the whole of the season's production was taken by the United Kingdom. Considerable quantities of rhubarb were sold to Continental buyers.

D.M.S. Policy

Liquorice root and juice were in good inquiry and a large trade was done in Italian and Turkish juice. The decision of the Turkish Government to suspend exports to the sterling area caused the market to strengthen appreciably. It was evident, in the last few weeks of the year that, when the position of import licences for drugs was reviewed, the D.M.S. would adopt a stringent policy. It is thought that some items at present brought in under open general licence will be allowed in only where the authorities approve of their use. In the last quarter, further additions, eight in number, were made to the list of oils removed from the scheme of distribution, but important oils such as eucalyptus, B.P., lemon and peppermint, still remained under control. The market generally continued easy and prices were often a matter for negotiation. The forward position of Ceylon citronella continued to weaken. In September the Board of Trade suspended licences for the import of olive oil, and supplies, although short when compared with pre-war years, showed a small improvement. Chemicals, generally, continued firm and a number were increased in price including salicylic acid and sodium salicylate, phenobarbitone and cocaine, benzoic acid and sodium benzoate. Reductions were made in nicotinic acid and nicotinamide. Glycerin prices advanced by £2 10s. per ton owing to rising costs of refining and transport; supplies for the home trade have shown some improvement.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex St., W.C.2, December 31

THE markets are not yet back to normal after the Christmas holiday closing and business has been on a restricted scale. In PHARMACEUTICAL and FINE CHEMICALS, the main feature is a rise of threepence per lb. in the rates for IRON AND AMMONIUM CITRATE, B.P. Makers of HYDROQUINONE and METOL have advanced the prices for the packed products in containers of 1 oz. to 1 lb. The only other change is an increase in the price of FORMALDEHYDE of £2 per ton.

Crude Drugs

The markets for CRUDE DRUGS re-opened steady with business slow in developing. Offers of CANADA BALSAM are few and prices are rising. BALSAM TOLU is also firm, but BALSAM Peru is easier on the spot. CASCARA SAGRADA is quiet with prices fully maintained. GENTIAN and GUM ACACIA are easier markets. SPICES, generally, are inactive with prices rather higher than of late. ORRIS is firm on the spot and Italian shippers' quotations have risen. RHUBARB is tending firmer with offers from China at higher prices. Large quantities of CINCHONA have been imported in recent months; November imports of the bark reached a total of 5,893 cwt., valued at £85,378, considerably more than in any previous month of 1947. Imports for the eleven months ended November 30, 1947, amounted to 17,751 cwt. (£262,938), against 14,952 cwt. (£106,384) in the corresponding period of 1938.

Essential and Expressed Oils

Few changes have occurred in the ESSENTIAL OILS markets and most sections are quiet. The Minister of Food states that no changes will be made in the prices of UNREFINED OILS and FATS allocated to primary wholesalers and large trade users during the five weeks ending January 31.

U.S. Drug and Chemical Report

New York, December 27

PRICES of MENTHOL were advanced sharply during the week prior to the holiday to $9.25 to $9.40 per lb., according to quantity. This followed a reduction in prices earlier in the month and was attributed to higher advices from Brazil where $20 per kilo is now quoted against $18 previously. Some material is understood to be on its way to the U.S. from Japan. In the FINE CHEMICALS market products, supplies of which are tight, include PHENACETIN, CAFFEINE, AMIDOPYRINE and some of the SYNTHETIC VITAMINS.

Trade in CRUDE DRUGS continues quiet though some firm items can be located on the market. Few importers here appear to be willing to buy large quantities of Ceylon PAPAIN because of Food and Drug Administration detentions earlier this year. A better inquiry developed in TRAGACANTH prior to Christmas and firmer conditions are forecast. Vegetable WAXES remain in a generally firm position with negligible spot offerings of yellow CARNAUBA. BALSAM PERU is expected to go higher because of dearer shipping prices and larger inquiry; lowest offerings of spot material are currently at 92½ cents per lb.

A consignment of Jugo-Slavian MERCURY has arrived in the U.S. comprising about 1,500 flasks, valued at approximately $85,000 at current market rates. Trade in this metal in the U.S. is very quiet and prices are at the lowest level since the war.

In ESSENTIAL OILS, LEMON, in line with other Italian products, has now been reduced in price as a result of devaluation of the lira. This product is now available at $3.20 per lb. Many houses are reported to be offering produce at more favourable prices in an attempt to reduce inventories. This has resulted in price reductions for such items as GINGER, CASSIA, BOIS DE ROSE, OCOTEA CYMBARUM, PATCHOULI and CARAWAY. PEPPERMINT and SPEARMINT are expected to go slightly higher early in the New Year.

Pharmaceutical Chemicals

ACETANILIDE.—Makers' quotations for 1-cwt. lots in kegs are 2s. 6d. per lb. for crystals and 2s. 7d. per lb. for powder.

ADRENALINE.—B.P. is offered at prices from 5s. 6d. to 6s. per gm. for natural and from 2s. to 2s. 6d. for synthetic; racemic is quoted at 2s. per gm.

ASPIRIN. — Makers' prices per lb. for powder (containers in brackets), are unchanged; 28 lb. and under 1 cwt., 4s. 4½d. (1-lb.), 4s. 3½d. (2-lb.), 4s. 3d. (4-lb.), 4s. 2d. (7-lb.), 4s. 1½d. (14-lb.), 4s 0½d. (28-lb.). Net one month.

ATROPINE.—Home trade prices per oz. are as follows: ALKALOID, 42s. 6d.; 4 oz., 42s.; 25 oz., 41s. 6d. SULPHATE, 34s. 4 oz., 33s. 6d.; 25 oz., 33s. METHYLBROMIDE and METHYLNITRATE, 75s.

BISMUTH SALTS.—Makers' prices per lb. for 1-cwt. lots are as follows: CARBONATE, 14s. 10d.; CITRATE, 12s. 6d.; SUBNITRATE, and SALICYLATE, 12s. 9d.; SUBGALLATE, 15s. 9d.

BORAX. — Makers' prices are: B.P. quality, granulated, £38 per ton; crystal, £39; powder, £39 10s. Commercial grades, £8 per ton less. Packed in 1-cwt. bags, delivered carriage paid in Great Britain, in

1-ton lots and upwards. Terms quoted do not apply to Northern Ireland.

BORIC ACID.—Current rates for ton lots of B.P. quality are: Granulated, £60; crystal, £61; powder, £62. Commercial grades, £8 per ton less. Packed in 1 cwt. bags, delivered carriage paid in Great Britain, in 1-ton lots and upwards. Terms quoted do not apply to Northern Ireland.

BROMIDES.—Current rates per lb. for POTASSIUM, in quantities of 28 lb. to 1 cwt. (containers in brackets), are as follows: 3s. 5½d. (1-lb.), 3s. 4½d. (2-lb.), 3s. 4d. (4-lb.), 3s. 3d. (7-lb.), 3s. 2½d. (14-lb.), 3s. 1½d. (28-lb.). In bulk, 1 cwt. is quoted at 2s. 7d. per lb. and 5 cwt. at 2s. 6d. Powder is 2d. per lb. extra. SODIUM is 1½d. per lb. less than above rates; AMMONIUM is ½d. per lb. more than above rates. Terms are net; carriage paid on 1-cwt. lots in U.K. Prices and conditions apply to trade in Eire on usual carriage paid terms, duty and marine war risk insurance for buyer's account.

CITRATES.—Makers' rates are as follows: POTASSIUM, in quantities of 28 lb.-1 cwt. is quoted per lb. as follows (containers in brackets): 3s. 8½d. (1-lb.); 3s. 7d. (4-lb.); 3s. 6d. (7-lb.); 3s. 5½d. (14-lb.); 3s. 4½d. (28-lb.). FERRI ET AMMON. CIT., B.P., 7d. per lb. above. SODIUM B.P., 3d. per lb. below; POWDER, 1d. per lb. extra.

CREAM OF TARTAR.—British makers advise that rates are as follows: 10-cwt. lots, 181s. per cwt.; 5 to 10-cwt., 182s.; less than 5-cwt. and more than 2-cwt., 183s.; less than 2-cwt. and more than 1-cwt., 185s.

CYCLOBARBITONE.—Makers' price for 100-kilo lots is 215s. per kilo; 200-kilo lots, 206s. The CALCIUM derivative is quoted at 227s. per kilo.

HEXYL RESORCINOL. — Quotations are around 17s. 6d. per oz.

PHENOLPHTHALEIN. — Manufacturers' prices per lb. are as follows: 1-cwt. lots, 6s. 1d.; 28-lb., 6s. 3d.; 14-lb., 6s. 6d.; 7-lb., 6s. 9d.

QUININE.—Current quotations per oz. are as follows: ALKALOID, from 5s. 7d. to 6s. 1d.; ACETYLSALICYLATE, 7s. to 7s. 6d.; BISULPHATE and SULPHATE, 4s. to 4s. 6d.; DIHYDROMBROMIDE and DIHYDROCHLORIDE, 5s. 2d. to 5s. 8d.; FORMATE, GLYCEROPHOSPHATE and PHOSPHATE, 6s. to 6s. 6d. HYDROBROMIDE and HYDROCHLORIDE, 5s. to 5s. 6d.; HYPOPHOSPHITE, 7s. 6d. to 8s.; SALICYLATE, 5s. 1d. to 5s. 7d.; TANNATE, 3s. 4d. to 3s. 10d.; VALERIANATE, 25s. QUININ. ET ÆTHYL. CARB. is quoted from 8s. 6d. to 9s. and QUININ. ET UREA HYDROCHLOR. from 5s. 2d. to 5s. 8d. per oz.

VALERIANATES.—Current quotations for quantities of 1 cwt. and over: IRON, SODIUM and ZINC, 42s. 6d. per lb.; AMYL ISOVALERATE, 37s. 6d.; ETHYL ISOVALERATE, 43s. 9d.; METHYL ISOVALERATE, 44s. 3d. MENTHYL is quoted at 95s. 6d. per lb.

Crude Drugs

ALOES.—Steady. Cape is quoted at 160s. to 165s., spot; shipment, 135s., c.i.f. Curaçao in boxes is available from 235s. to 245s., spot; forward, 215s. to 220s., c.i.f.; Socotrine, spot, 156s. to 190s. per cwt.

ANISE (STAR).—Spot quoted from 120s. to 130s. per cwt.; shipment, 110s., c.i.f.

ARECA NUTS.—Ceylon is firm at 67s. 6d. per lb., spot.

ARNICA FLOWERS.—Spot quotation is 3s. per lb., with few inquiries.

ASAFETIDA.—Block on the spot is available from £25 to £28 per cwt.

BALSAMS.—There are few offers of *Canada* and spot is firm at 17s. 6d. to 18s. per lb. Pará *Copaiba*, spot, 8s. per lb. for soluble and 7s. 3d. for insoluble. *Peru*, San Salvador, is offered at 6s. 3d. per lb., duty paid. *Tolu* on spot continues firm at 19s. 6d. per lb.

BUCHU.—Ovals are available at 4s. per lb., spot; B.P. leaves are scarce at 4s. 3d. to 4s. 4d. per lb.

CAMPHOR. — Steady. Chinese tablets (¼-oz.) are quoted at 11s. 6d. to 11s. 9d. per lb.; refined powder (B.P.), 10s. 3d. to 10s. 6d., Formosa (B.B.), 9s. 6d. to 10s.; 2½-lb. slabs, afloat, quoted at 10s. 6d. per lb., landed, duty paid. Chinese crude 93-95 per cent., 7s. per lb.

CASCARA SAGRADA.—Spot offers of 1947 peel are few and prices are from 265s. to 270s. per cwt., duty paid; 1946 peel is quoted from 270s. to 275s., according to seller.

CHILLIES.—Mombasa is quoted at 135s. per cwt., spot; Sierra Leone, 140s., nominal; Nigerian, 120s.; Japanese-type, 190s.

CINNAMON.—Steady. 0000 quill is quoted at 3s. 9d., spot; quillings, 1s. 9d.; featherings, 1s. 4d.; chips, 10d. per lb.

CLOVES.—Quiet and steady. Zanzibar, spot, 9¾d. to 10d. per lb.; Penang, 3s. 6d.

COCHINEAL.—Silver greys, quoted at 4s. 3d. per lb., spot; blacks, 4s. 6d.

GENTIAN.—French natural root on the spot is quoted at 90s. to 95s.; cut, 115s. per cwt.

GINGER.—Jamaica No. 1 is quoted at 120s. per cwt., spot; No. 2, 100s.; No. 3, 95s.; Sierra Leone is available at 67s. 6d.

GUM ACACIA.—Steady on the spot. Kordofan cleaned sorts, quoted at 71s. 6d. per cwt., London; 71s., Liverpool; afloat, 66s. 6d., c.i.f. Bleached No. 1, 145s., ex store. Talha is quoted at 40s. per cwt., spot; 38s., c.i.f.

IPECACUANHA. — Nicaraguan continues firm on spot with offers from 28s. 6d. to 30s. per lb., according to holder; shipment, 27s., c.i.f. Colombian root, 28s., spot; shipment, 25s., c.i.f.

JALAP.—Vera Cruz, spot, offered at prices from 3s. 5d. to 4s. per lb., according to test.

MACE.—West-Indian blade, on the spot, is quoted at 7s. 3d. per lb.; pickings, 4s. 6d. to 5s. 6d., according to quality.

MALE FERN.—Jugo-Slav to come forward is £85 to £90 per ton, c.i.f.

MENTHOL. — Brazilian is quoted at 48s. 6d. to 50s., duty paid; Chinese is offering at about 60s. per lb., spot.

MYRRH.—Steady. Aden sorts is quoted at £14 to £15 10s. per cwt.; siftings, £8 to £10 per cwt., spot.

NUTMEGS.—West Indian 80's are quoted at 3s. 6d. per lb.; sound unassorted, 2s. 6d.; wormy and broken, 1s. 8d. East Indian 80's, 4s., spot, quoted.

NUX VOMICA.—Madras is steady at 40s. to 42s. 6d. per cwt. Mangalore, 40s.; Cochin, 42s. 6d. to 45s., spot, as to seller.

ORANGE PEEL.—Spot: Spanish quarters are offered at 1s. 3d. to 1s. 6d. per lb.; sweet ribbon is quoted at 1s. 9d.; bitter ribbon, 1s. 3d. in Liverpool.

ORRIS.—Florentine, spot, 185s. to 195s. per cwt., according to quality. Verona, for shipment, 105s., c.i.f.

PAPAIN.—East African on the spot is quoted at 31s. to 32s. 6d. per lb., according to holder.

PIMENTO.—Spot, 1s. 2½d. per lb.; afloat, 119s. per cwt., c.i.f.

PSYLLIUM SEED.—French black is offered at 2s. 3d. per lb., duty paid.

QUASSIA.—Chips, on the spot, are offered at 40s. per cwt.

QUILLAIA.—Natural bark is quoted at prices from 105s. to 115s. per cwt., spot; cut, for future delivery, 135s. per cwt.

QUINCE SEEDS.—Cape, on the spot, is quoted at 5s. 9d. to 6s. per lb.

RHATANY.—Spot steady at 11d. per lb.

RHUBARB.—Spot, Chinese rough-round is quoted from 5s. to 6s. 6d. per lb., according to fracture; wormy is available at 3s. 6d.; French rhapontica, 1s. 9d. per lb.

SANDARAC.—Spot, 6s. per lb., quoted.

SEEDS.—The market has been quiet with prices more or less unchanged. ANISE.—Cyprus, nominal, 1s. 10d. per lb.; Turkish, 1s. 9d. per lb., duty paid, spot London or Liverpool. CARAWAY.—Dutch, spot, offered at 1s. per lb., duty paid. CELERY.—Indian, quoted at 1s. 4d. per lb., spot Liverpool. CORIANDER.—Spot, wormy Morocco offered at 52s. 6d. per cwt., duty paid in London; Argentine, quoted 50s. per cwt., duty paid, in London or Liverpool. CUMIN. — No demand. Cyprus on spot is quoted at 220s. per cwt.; Indian, lying in Hull or Liverpool, quoted at 217s. 6d. per cwt. DILL.—Indian reported sold at 42s. 6d. per cwt., ex store Liverpool; 45s. per cwt. quoted in London. FENNEL.—Indian, spot Liverpool, 72s. 6d. per cwt. FENUGREEK.—Indian 45s. per cwt., ex store Liverpool and 47s. 6d. per cwt., ex wharf London.

SENEGA.—Continues firm on the spot at 12s. to 12s. 6d. per lb.; shipment, 11s. 6d. to 11s. 9d., c.i.f.

STRAMONIUM.—Hungarian, on the spot, is offered at 115s. per cwt.

TONKA BEANS.—Frosted Pará is quoted at 5s. per lb., spot.

WAXES. — Dar-es-Salaam BEES' is nominal on spot at 385s. per cwt.; Lindi, 375s., nominal. Benguela is offered at 360s., duty paid; shipment, 305s., c.i.f. CANDELILLA.—Spot is quoted at 415s. per cwt.; shipment, 385s., c.i.f. CARNAUBA.—No offers of fatty grey at origin. December-January shipment is quoted 480s., c.i.f.; spot, 525s. per cwt. Prime yellow, spot, 850s. per cwt.; shipment, 800s., c.i.f. MONTAN.—Reibeck, 375s. per cwt. and Czechoslovak crude, 325s., spot. OURICURI.—6 per cent., on the spot, 380s. per cwt.; shipment, 1 per cent., 400s., c.i.f.; 2 per cent., 385s., c.i.f.; 5 per cent., 370s., c.i.f.

Essential and Expressed Oils

CINNAMON.—Ceylon bark oil is offered from 10s. to 12s. 6d. per oz., according to quantity; English-distilled, from 24s. to 40s. per oz.; B.P. oil is at 75s. to 85s. per lb. Leaf oil, spot, from 8s. 6d. to 10s. 6d.

CITRONELLA.—Ceylon, spot, is quoted at about 4s. 6d. to 6s. per lb., according to quantity and seller; Java, forward, quoted at from 9s., c.i.f.

CLOVE.—Quotations for English-distilled bud oil are from 11s. 6d. to 12s. per lb.

CORIANDER. — English-distilled oil is quoted at 250s. per lb., with little offering.

DILL.—English-distilled oil is quoted at 62s. 6d. per lb.

FENNEL.—Sweet oil is quoted at 17s. 6d. to 20s. per lb., on the spot.

GERANIUM.—Bourbon is quoted from 65s. to 70s. per lb., according to quantity and grade.

GINGER.—Prices are quoted from 75s. to 125s. per lb., according to grade.

GUAIACWOOD.—Rather scarce on spot with offers at from 18s. to 20s. per lb.

JUNIPER BERRY.—Good quality oil is quoted from 30s. to 35s. per lb.; English-distilled quoted from 50s. upwards per lb., according to quality and seller.

LAVANDIN.—The market has strengthened with quotations from 11s. 6d. to 14s., spot.

OLIVE.—The price of edible, 1 per cent., to wholesalers is 51s. per gall. of 9 lb., in drums, ex store. Wholesalers' prices to retailers are as follows: In gall. loan cans, 58s. 9d. per gall.; in ½ gall., 59s. 6d.; in quart loan containers, 60s. 4d. and in pint containers, 61s. 4d. per gall., all delivered.

ORIGANUM.—Quotations are from 18s. 6d. to 20s. per lb., spot, according to holder.

PINE NEEDLE.—Supplies on the spot are available at 22s. per lb.

TRADE MARKS

(*From "The Trade Marks Journal," December 10, 1947*)

"THIOVANOL"; for chemical products containing thioglycerol for use in industry (1). By Evans Chemicals, Ltd., 3 Warwick Road, Elstree Way, Boreham Wood, Herts. 647,020 (Associated).

"METHULOSE"; for chemical products used in industry, science, photography, agriculture, etc., all included in Class (1); "CHORLAN"; for pharmaceutical preparations of gonadotrophic hormone for internal use; "SELIDOL"; for insecticides, fungicides and preparations for killing weeds and vermin (5). By Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2. B650,541, 649,800 and 652,108 (Associated).

"GREEN CROSS"; for chemical products included in this Class used in agriculture and horticulture (1); for non-medicated toilet preparations, cosmetics, perfumes, soaps and dentifrices (3); for pharmaceutical preparations for human and veterinary use; sanitary substances, disinfectants, medicated toilet paper, and preparations for killing weeds and vermin (5). By Newton, Chambers & Co., Ltd., Thorncliffe, nr. Sheffield. 652,789-91 (Associated).

"BETAPAL"; for chemical preparations included in this Class for use in agriculture and horticulture (1); "DEEPAL"; for preparations for destroying weeds (5). By Pal Chemicals, Ltd., 39 Jermyn Street, London, S.W.1. 653,127-28.

"FRIENDSHIP'S GARDEN" in distinctive lettering; for perfumes, toilet preparations (not medicated) and soaps (3). By Shulton, Inc., 1500 Hudson Street, Hoboken, U.S.A. 642,814.

"VENCESLAS"; for all goods (3). By Laboratoires des Produits Catherine Soline & Co., 59 Rue Sainte-Anne, Paris, France. 645,134.

"HUGH NEWSOME" in distinctive lettering; for toilet preparations (not medicated), cosmetics, perfumes, perfumed soap, and hair lotions (3). By Hugh Newsome & Co., Ltd., 12 London Street, Southport. 650,513.

"ASMIDAR" and device of seal; for non-medicated toilet preparations, cosmetics, toilet preparations for the teeth and hair, perfumes and soaps (3). By Asmidar, Ltd., 16 Douglas Street, London, S.W.1. 650,862.

"MOULIN ROUGE"; for perfumes, toilet preparations (not medicated), cosmetics, toilet articles not included in other Classes, soaps, and toilet preparations for the hair and scalp (3). By Société d'Etude de Recherches, de Representation et d'Exploitation (S.E.R.R.E.), 5 Rue Guy Patin, Paris, France. 650,991.

"DAEBON"; for non-medicated toilet preparations, cosmetics, perfumes, essential oils, hair lotions, hair creams, brilliantines, dentifrices, soaps and non-saponaceous shampoos (3). By Munro Vitarex, Ltd., 6 St. Faith's Road, London, S.E.21. 653,248.

"DELROY"; for non-medicated toilet preparations, cosmetics, perfumes and perfumed soap (3). By Delroy, 722 Seven Sisters Road, Tottenham, London, N.15. 653,578.

"PERHEPAR"; for pharmaceutical preparations made from liver, for human and veterinary use (5). By Gedeon Richter (Great Britain), Ltd., 14 Weedington Road, London, N.W.5. 647,596.

COMING EVENTS

Monday, January 5

WEST KENT BRANCH, PHARMACEUTICAL SOCIETY, Central Library Hall, Beckenham, at 8 p.m. Dr. T. Phillips Cole on "The National Health Service in relation to Public Health Services."

SOUTHAMPTON BRANCH, PHARMACEUTICAL SOCIETY, Polygon Hotel, Southampton, at 7.30 p.m. Film show: "Technique of Anæsthesia."

Tuesday, January 6

CHESTER CHEMISTS' ASSOCIATION, Quaintways Restaurant, Chester, at 7.30 p.m. "Twelfth Night" party.

BIRMINGHAM BRANCH, NATIONAL PHARMACEUTICAL UNION, Grand Hotel, Birmingham, at 8 p.m. Mr. G. A. Mallinson (secretary, National Pharmaceutical Union) on "Pharmacists and the National Health Service."

EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, Stratford Church Institute, 27 Romford Road, E.15, at 8 p.m. Members' night. Mr. S. Clifford Jones (chairman of the Branch) on "Fifty Years of Retail Pharmacy."

HARROW BRANCH, PHARMACEUTICAL SOCIETY, Oak Hall, Baptist Church, College Road, Harrow, at 7.45 p.m. Members' night. Mr. G. W. Horsley on "Photography and Retail Pharmacy," and Mr. T. Krzyzanowski, M.B.E., on "Polish Education before the War."

Wednesday, January 7

SOUTH-WEST LONDON CHEMISTS' ASSOCIATION, Ardington Rooms, Clapham Junction, London, S.W.11, 5.45-10.45 p.m. New Year party.

Thursday, January 8

WEST HAM ASSOCIATION OF PHARMACISTS, Carnegie Library, Romford Road, Manor Park, London, E.12, at 7.30 p.m. New Year party.

ISLE OF THANET BRANCH, PHARMACEUTICAL SOCIETY, Balmoral Hotel, Albion Street, Broadstairs, at 7.30 p.m. Miss M. A. Burr (a member of the Society's Council) on "Pharmacy Today."

BIRKENHEAD AND WIRRAL PHARMACISTS' ASSOCIATION, Bridge Inn, Port Sunlight, at 7.45 p.m. Reception by president, 8 p.m. Annual dinner. Tickets 17s. 6d. each.

CHEMICAL SOCIETY, Burlington House, Piccadilly, London, W.1, at 7.30 p.m. Professor T. P. Hilditch, F.R.S., on "Structural Relationships in the Natural Unsaturated Higher Fatty Acids."

Monday, January 12

GLASGOW PHARMACY CLUB, GOLF SECTION, Religious Institute, 200 Buchanan Street, Glasgow, at 7.15 p.m. Annual meeting.

HARROW BRANCH, PHARMACEUTICAL SOCIETY, is arranging a series of post-graduate lectures to be held weekly from January 28. Lecturers include Dr. G. R. Boyes (chairman, action and uses subcommittee, British Pharmaceutical Codex), Mr. F. C. King (secretary, Surgical Instrument Makers' Association), Mr. B. J. Thomas (manager, Allen & Hanburys, Ltd., 7 Vere Street, London, W.1), Mr. H. W. Tomski, B.Comm., Mr. F. W. Adams and Mr. T. D. Whittet.

TRADE B.B. & Co. MARK
RED BRAND DIAMOND

TWO COUGH SYRUPS

of outstanding merit. Order early



WILD CHERRY PECTORAL
FOR ADULTS AND CHILDREN
4 oz. . . . 6/6 Per Doz.
6 oz. . . . 8/9 „ „

COMPOUND
BLACKCURRANT & IPECAC
FOR ALL CHILDREN
4 oz. . . . 7/3 Per Doz.
8 oz. . . . 9/9 „ „

PLUS PURCHASE TAX

BURGOYNE BURBIDGES
Established 1741. & COMPANY LIMITED, **LONDON. E.6**

THE STORY OF DDT—1

Discovery . .



Until 1880, when Laveron made the revolutionary discovery that malaria was caused by a parasite injected into the body by the bite of an infected mosquito, it had, as the name implies, been believed that " mal-aria " was caused by the inhaling of poisonous marsh gases.

Shortly before the second World War, the Swiss firm of J. R. Geigy S.A., Basle, having developed a potent permanent moth-proof (Mitin), embarked on a search for an insecticide which, rather than combating the malaria germ, would eliminate its host, the mosquito. Protracted research brought the outstanding discovery—dichloro diphenyl trichloroethane—or DDT.

DDT Geigy DDT

THE ORIGINATORS AND PIONEERS

PHARMACEUTICAL LABORATORIES GEIGY LTD NATIONAL BUILDINGS MANCHESTER 3
STAFFORD ALLEN & SONS LTD 20 WHARF ROAD LONDON N1

348

GRAESSER SALICYLATES
LIMITED
Manufacturers of Fine Chemicals
SANDYCROFT
CHESTER, ENGLAND

PHENYL SALICYLATE B.P.C.

(SALOL)

Available in the form of Crystalline Powder for which we invite your enquiries

Offered for prompt shipment:

HERBA BELLADONNAE CONC.
HERBA HYOSCYAMI CONC.
HERBA STRAMONII CONC.
HERBA ABSINTHII CONC.
HERBA DRACUNCULI CONC.
HERBA MARRUBII CONC.
HERBA LEVISTICI CONC.
HERBA MAJORANAE CONC.
HERBA CARDUI BENEDICTI CONC.
HERBA CHAMOMILLAE CONC.
HERBA SABINAE CONC.
RHIZOMA CALAMI CONC.
RADIX CICHORII CONC.
RADIX HYOSCYAMI CONC.
EXTRACTS.

Correspondence invited

GERARD NOORT
Rynsburg (Holland)

Cultivation and Dehydration of Medicinal and Aromatic Herbs

ALKALOIDS
FINE CHEMICALS
OPIUM DERIVATIVES

ALOIN, ATROPINE, BISMUTH SALTS, CANTHARIDIN, CAPSICIN, CHLORAL HYDRATE, CHLOROFORM, CODEINE, COTARNINE, CRYPTOPINE, DIACETYLMORPHINE, EPHEDRINE, ERGOTIN, ETHYLMORPHINE, ETHYLNARCEINE, GINGERIN, GNOSCOPINE, HOMATROPINE, HYDROCOTARNINE, HYOSCYAMINE, IRIDIN, JALAP RESIN, LEPTANDRIN, MAGNESIUM TRISILICATE, MECONIC ACID, MORPHINE, NARCEINE, NARCOTINE, OPIANIC ACID, PAPAVERINE, PHYSOSTIGMINE, PODOPHYLLIN, SALICIN, SANTONIN, SCAMMONY RESIN, STRYCHNINE, THEBAINE

and all Pharmaceutical Chemicals and Preparations

Some of our Latest Products...

DIHYDROCODEINONE
DIHYDROMORPHINE
DIHYDROCODEINE
DIHYDROHYDROXY-CODEINONE
and their Salts

ESTABLISHED 1827 T&H SMITH LTD

BLANDFIELD CHEMICAL WORKS · EDINBURGH

HEAD OFFICE AND WORKS
WHEATFIELD ROAD, EDINBURGH, 11

GLASGOW: 32 VIRGINIA STREET, C.1
LONDON: 4 CARLOS PLACE, W.1

The 'Clinbritic' Vaccine Bottle

Patent No. 492200

MADE IN WOOD'S ALKALI FREE AMBER or WHITE GLASS



Assembly Details

A new type of Multiple injection "vaccine" bottle which possesses several points of interest and offers a very near approach to the ideal.
No Wiring is necessary, and there is no distortion or bursting of the rubber cap even at pressures up to 50 lbs.
The india rubber vaccine cap, of special design, is protected by a screw bakelite cap, and provision is made for maintaining the sterility of the outside surface of the vaccine cap. No manipulation whatever is required after sterilization.

Samples, Prices and Full Details on Request



Completed

Britton, Malcolm & Company, Ltd.
38 Southwark Bridge Road, London, S.E.1

Favella BRAND
LICORICE STICKS



ITALIAN LICORICE

Available from Stock. Enquire from your Wholesaler.

Sole Concessionaires for the United Kingdom
A. ELDER REED & CO. LTD.,
105, HIGH STREET, BATTERSEA, S.W.11

Senna

FROM OUR OWN GROWERS *Alexandrian & Tinnevelly Pods, Leaves, Siftings*
John Ronaldson & Co. Ltd., 3 & 4 Crooked Lane, Cannon St., London, E.C.4 Phone: MANsion Hse 4885

PERCENTA THE CONTAINER PEOPLE
(PERCENTA LTD.)
Containers of Metal Glass, Aluminium and Plastic
Tel: Hop 0516 (6 lines)
Percenta House, 130/2 Tooley Street, London, S.E.1.

for INDIAN BOTANICALS, CRUDE DRUGS, FOREST PRODUCTS, GUMS, MEDICINAL PLANTS, SEEDS, SPICES, ETC. to
B.P., U.S.P., B.P.C. & N.F. Standards.
Export Enquiries to:
THE INDIGENOUS MANUFACTURES & PRODUCE (Sales) CO.
160 Govindappa Naick Street, Madras
Cables: Dandelions

Duncan

COMPOUND
GRIPE MIXTURE
(DUNCAN)

An excellent preparation for the relief of flatulence in babies and the treatment of various digestive disorders of small children.

Pleasantly flavoured, and combining the value of oils of dill and aniseed with sodium bicarbonate in a sweetened base, it is a popular counter line with an all-the-year appeal.

6-oz. Bottles 1/8 Purchase Tax Included



Another of the profitable Duncan Counter Lines

DUNCAN, FLOCKHART & CO. EDINBURGH LONDON

Manufacturers of **TANNIC ACID** (Bulk Supplies Only)

ALL QUALITIES

THE BRITISH DYEWOOD COMPANY LTD.

19 St. VINCENT PLACE, GLASGOW, C.1

Telephone: CENTRAL 4425 *Telegrams: DYEWOOD*

BURNSIDE'S EUCALYPTUS OILS

Distilled in Australia by the largest distillers and refiners of Eucalyptus Oils in the world.—W. K. BURNSIDE, PTY., LTD., MELBOURNE, AUSTRALIA

80/85% B.P.
Oil Euc. Dives 40/45%
Oil Euc. Citriodora

70/75% B.P.
Piperitone 90/95%
Oil Euc. Phellandra

.... Phellandrene ....

UNIFORMITY OF QUALITY . CONSISTENCY OF ODOUR

Agents for U.K.: **WILSON & MANSFIELD, LTD., 15 Philpot Lane, London, E.C.3**

'Phone: MANSION HOUSE 9264-5-6 **(WHOLESALE ONLY)** *'Grams: WYFIELD, LONDON*

JKL

ANISEED
ALOES
ARECA NUTS
BALSAMS
FENUGREEK
JUNIPER BERRIES
LIQUORICE ROOT
LIQUORICE Juice, Sticks & Blocks
ORANGE PEEL CURACAO
SENEGA ROOT
and all other Botanicals

JOHN KELLYS (LONDON) LTD.
24 OLD BROAD STREET, LONDON, E.C.2.
Telephone: LONdon Wall 4882, 6585, 6586
Telegrams: "Ergotine, Stock, London."

RELY UPON
Graesser QUALITY ALWAYS
PHENOL
ORTHO CRESOL
CRESYLIC ACIDS
META-PARA CRESOL
XYLENOL MIXTURES
All prepared and standardised under direct personal control
R. GRAESSER LTD.
The Chemical Works, Sandycroft, nr. Chester

for refining
creams, ointments, etc.
PASCALL
ROLLER MILLS
are ideal time savers for busy dispensing chemists.



They cut out the drudgery of the pestle and mortar, and produce a much better product in far less time. Available with porcelain rolls 2" dia. × 4" long.

Write for list CD 3.

THE PASCALL ENGINEERING CO. LTD
114 LISSON GROVE, LONDON, N.W. 1

Telephone—
MAN. HOUSE 6877
5 Lines
A. REVAI & CO. LTD.
7-8, IDOL LANE
LONDON, E.C.3.
PARATHYROID POWDER

TRAGACANTH
POWDER OUR "SOJ" BRANDS
ARE ESPECIALLY GRADED FOR ALL USERS AND INDUSTRIES
WE ALSO STOCK KARAYA AND ACACIA POWDER
Samples and Prices on Application
SALEM (Pulverised Tragacanth) **LTD.**
50, MOORGATE, LONDON, E.C.2
TELEPHONE: METROPOLITAN 9628

Bush Beach & Gent Ltd.

BRITISH MANUFACTURED

POTASSIUM SULPHATE

(Commercial and B.P.C.)

COMMERCIAL GRADE 94/95% —
Practically White

Available for prompt and early forward delivery.

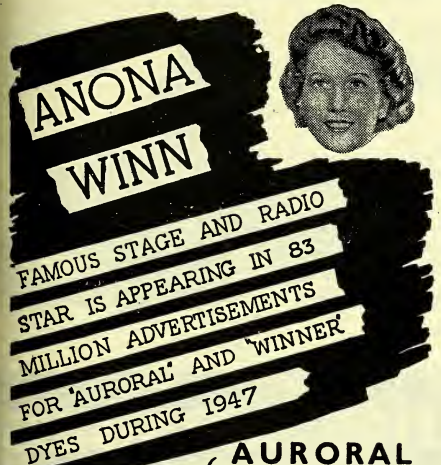
B.P.C. GRADE

Available for the moment in restricted quantities only. There are priority requirements.

ENQUIRIES INVITED

MARLOW HOUSE, LLOYD'S AVENUE, E.C.3

Telephones: ROYAL 7077/8/9
Telegrams: Beafredma, Fen, London
Codes: A.B.C. 5th & 6th, Bentley's, Llebers. Private, Western Union 5 letter edition, Rudolf Mosse.



LESS 5% FOR CASH IN 7 DAYS

AURORAL
Cold Water Dyes
48/- GROSS

WINNER
Home & Stocking Dyes
24/- GROSS

WHITAKERS OF KENDAL



January

January is the month of Resolutions—including those passed at Shareholders' meetings. Companies, firms, private individuals and others engaged in business conduct an annual review, pass resolutions and present their balance sheets. Among the assets shown in balance sheets is "Cash at Bank": it means cash when you want it, where you want it and how you want it—a reminder of the unfailing service given by a modern bank.

MIDLAND BANK LIMITED

BES

THIS NAME MAKES SALES

FREE OF PURCHASE TAX

In many prominent magazines we are telling *your* customers about Barber Sun Lamps, telling them to ask their stockist for fuller details. You just cannot afford to miss the sales our advertising will bring you. Cash in on the sales-appeal of Barber Sun Lamps and link up with the publicity by taking advantage of the display material and counter leaflets free to stockists. For particulars, pin this page to your letterheading and post to us today. Or write, if you prefer.



Barber Electrical Services Ltd., Bournville, Birmingham

Sold only against prescriptions

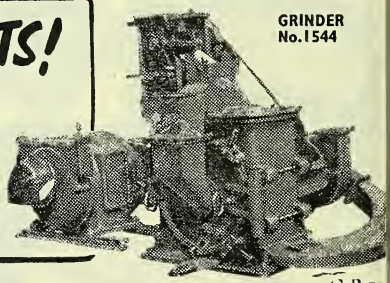
BARBER

SUN LAMPS

CALL IN THE EXPERTS!

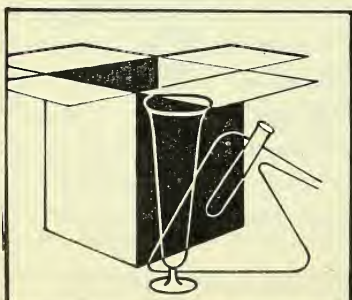
The best way to ensure satisfaction in grinding is to call in the experts—Porteus. Not only do they know what exactly is required, but they can and do invariably advise on the best type for the job in hand. Lengthy experience in design and construction is at your service—why not write now?

GEORGE PORTEUS & Sons (Leeds) Ltd.
LEEDS BRIDGE WORKS, LEEDS 10



GRINDER No.1544

G.P.7a



SPECIAL CONTAINERS

. . . FOR SPECIFIC PURPOSES

Consult the Specialists in Cartons and Display

J. DRING LTD

Sales Office: 34 HARLEY STREET, PORTSMOUTH

PROMPT DELIVERY

Glass BOTTLES *and* JARS

WITH METAL AND PLASTIC SCREW CAPS

STANDARD LINES

BOTTLES WITH PLASTIC SCREW CAPS

½ oz.	GRASSE with 20 mm. caps	50/6 per gross
1 „	„ „ „ „	50/6 „ „

BOTTLES WITH METAL SCREW CAPS

2 oz.	ELITE with 20 mm. caps	48/- per gross
2 „	POMPADOUR with 20 mm. caps	48/- „ „
4 „	„ „ „ „	48/- „ „
2 „	PARISIEN	48/- „ „
4 „	„	48/- „ „
4 „	COSMO	48/- „ „
4 „	ROUND COLOGNE	48/- „ „
8 „	WINCHESTER	72/- „ „
10 „	„	72/- „ „

JARS WITH METAL SCREW CAPS

1 oz.	SQUAT with 51 mm. caps	48/- Per gross
2 „	„ „ 58 „ „	48/- „ „
4 „	„ „ 74 „ „	48/- „ „
3 „	KENTON with 30 mm. caps	48/- „ „
4 „	SQUARE „ 40 „ „	48/- „ „
8 „	„ „ 58 „ „	72/- „ „
5 „	OSTEN „ 40 „ „	48/- „ „
5 „	VICTORY „ 40 „ „	48/- „ „
8 „	GLAMOUR „ 40 „ „	72/- „ „
10 „	COSBON „ 40 „ „	72/- „ „
1 lb.	PRESERVE „ 74 „ „	72/- „ „

Discounts up to 30% according to quantity

POPLAR GLASSWORKS LTD.

41 Sackville St., London, W. 1

TELEPHONE: REGENT 7200 (10 lines) CABLES: GOTHORN, LONDON

Safe as the Bank

SAVINGS CERTIFICATES are a safe and profitable investment, and your Bank is ready to make it easy for you to buy them. Your Bank Manager will ask only for your signature on a Banker's Order form authorising either a single purchase of a block of National Savings Certificates, or a regular automatic monthly purchase of Certificates for as long as you wish.

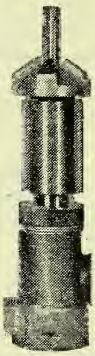
You can now hold 1,000 10/- units of the new Certificates, and in 10 years this £500 will have grown to £650 free of tax. Secure for yourself this highly profitable gilt-edged investment by calling on your Bank Manager to-day.

SAVE—*The Bank Way*

Issued by the National Savings Committee

DESIGNED BY SPECIALISTS

ADELPHI BOTTLE WASHER



this is another example of our range of PRECISION EQUIPMENT

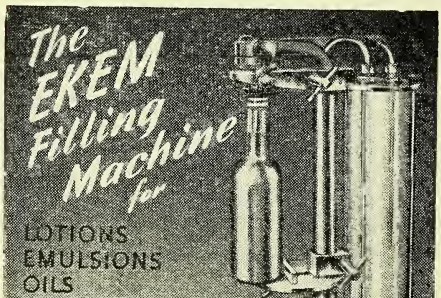
IT WILL SOLVE YOUR BOTTLE-WASHING PROBLEM

PROMPT DELIVERY

- Simple Action.
- Thorough Cleansing.
- Complete Emptying.
- Wide range, any type of bottle.
- Sprinkler necks can be washed at the rate of 400 per hour.

CONNECT TO ANY MAINS SUPPLY TAP. NO SKILL NEEDED

ADELPHI Manufacturing Co., Ltd.
(Dept. C.D.)
CHEMICAL ENGINEERS
8, ADAM STREET LONDON, W.C.2.
Temple Bar 4689



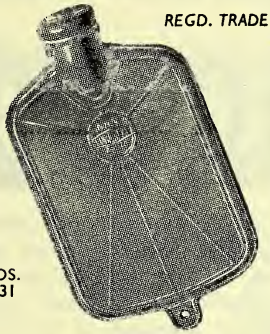
SELLING AGENTS
BUSBY, WINTER & Co. LTD.
EKEM WORKS, 9-11 ANDOVER PLACE, LONDON, NW6.
TEL: MAIDA VALE 2867. CABLES: EKEMFIL, LONDON.

THE RELIABLE
Edosan
SANITARY TOWELS
PURE COTTONWOOL THROUGHOUT
EDOSAN LTD. 189, CARLTON VALE, LONDON NW6

TABLET TUBES
HOME & EXPORT BUYERS SUPPLIED
ENQUIRIES TO
GLASS CONTAINER CO.
21 HAYES LANE · KENLEY · SURREY
Telephone: UPLANDS 8119
Works: 25-27 MERSEY STREET · LIVERPOOL 1

SUBA-SEAL

REGD. TRADE MARK



PATENT NOS.
530164/516731
538564

WILLIAM FREEMAN & COMPANY LIMITED

SUBASEAL WORKS, PEEL STREET, BARNSLEY

Telegrams: "SUBASEAL, BARNSLEY

Telephone: BARNSLEY 4081

★ The SAFETY BOTTLE

WITH **ALL** THE SELLING POINTS

- EASY FILLING
- NO AIR LOCK
- NO SPLUTTER
- EASY STOPPERING
- NO LEAKAGE
- STOPPER CANNOT GET LOST
- NO BANDS TO BREAK
- CENTRE CANNOT COME OUT
- COMPLETELY VULCANISED
- LONGER RADIATION
- SEAMLESS THROUGHOUT
- ALL RUBBER
- BEAUTIFUL COLOURS AND DESIGNS
- ENTIRELY BRITISH



The NELSON "Safety" ELECTRIC HEAT BLANKET

APPROVED BY THE MEDICAL PROFESSION

The Safe Blanket —
thermostat controlled, fabric woven from glass, — fireproof, shockproof

Delightful in appearance

See your Wholesaler

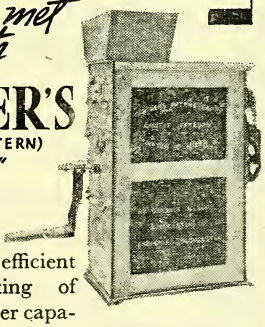
ELECTRO-MEDICAL BLANKET CO. LTD.
MANCHESTER

COUNTER DEMANDS

can be met with

GARDNER'S

(CABINET PATTERN)
PATENT *"RAPID"*
SIFTER & MIXER
also ideal for samples and laboratory use.



They give the same efficient sifting and mixing of powders as the larger capacity machine famous throughout the world.

Wm. GARDNER & SONS (Gloucester), LTD., Bristol Road, Gloucester. 'Phone Glos. 2288 (3 lines).

LONDON OFFICE: 19 Gray's Inn Chambers, 20 High Holborn, W.C.1. 'Phone: CHAncery 7347.

THE SAFE REMEDY FOR 73 YEARS

for coughs and colds

OWBRIDGE'S

Again—for the 74th year—Owbridge launch a new, arresting advertising campaign in the National Daily, Sunday, and Provincial Press—in Magazines—on Poster Sites—and Underground Railway Carriages to support the sales of this famous remedy. New window and counter display material is available to tie up with this national campaign.

PRICE 1/5 INCLUDING PURCHASE TAX

BED SHEETINGS

HOSPITAL BED SHEETINGS & JACONETTES

RUBBER AIRBEDS, CUSHIONS & PILLOWS

for SURGICAL & MEDICAL REQUIREMENTS

IOCO

IOCO Limited·Anniesland·Glasgow

SURQUALET

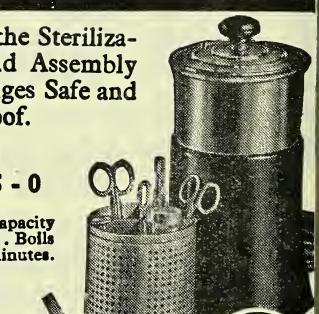
TRADE MARK

THE NEW ELECTRIC STERILIZER

Makes the Sterilization and Assembly of Syringes Safe and Foolproof.

PRICE £5 - 15 - 0

Working Capacity 1 Pint.... Boils in 10 Minutes. Overall Dimensions 8½" High and 4½" Diameter of Base.



SES

SURGICAL EQUIPMENT SUPPLIES LTD

WESTFIELDS ROAD, LONDON, W.3

Name of Local Dealers on request

CARUS PRODUCT

SURGICAL DRESSINGS by CARUS

OF DARWEN

HODDLESDEN MILL • ATLANTIC MILL • HAMPDEN MILL • SPOTLAND BRIDGE MILL

PLANNED PARENTHOOD



1. Spermicidally efficient and clean in application.
2. Non-irritant and harmless to health.
3. Does not upset the vaginal pH value.
4. Free from fatty substances.
5. Keeps perfectly in tropical climates.
6. Prescribed extensively by the Medical Profession.

GYNOMIN

TRADE MARK Regd. No. 474748

The Scientifically balanced antiseptic and deodorant contraceptive.

3/6 PER PACK OF 12 TABLETS

KEEP ADEQUATE STOCKS
OBTAINABLE THROUGH YOUR WHOLESALER
ETHICAL LITERATURE AND DISPLAY MATERIAL

OUR PUBLICITY WILL BRING NEW CUSTOMERS TO YOUR PHARMACY

COATES & COOPER LTD., NORTHWOOD, MIDDLESEX, ENGLAND



IT'S THE BEST
TAMPON
VALUE
ON THE MARKET!

ITS
QUICK SALES
MEAN
QUICK PROFITS!





IT'S WELL ADVERTISED
-AND DISPLAY
MATERIAL WILL BE
AVAILABLE SOON!

it's



holly-Pax
FROM HOLLYWOOD

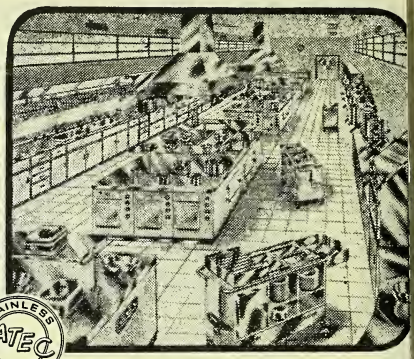
MODERN INSERTION TYPE
SANITARY PROTECTION

★ Holly-pax appeals to women because of its excellent value—quite apart from its great advantages and amazing compactness. It's equally attractive to stockists because it sells quickly, meaning quick profits.

Sole Distributors :

FASSETT & JOHNSON LTD.

86 Clerkenwell Road, London, E.C.1



STAINLESS STEEL

Kitchen and Serving Equipment

For hospitals, canteens and like organisations we offer a range of highly polished stainless steel equipment designed in the modern idiom and made by us who have been craftsmen in metal for over 100 years. It will pay you to write today for our illustrated catalogue of these lasting bright aids to efficiency.

SALES DISTRIBUTION
ANDREWS BROS (BRISTOL) LTD. WALCOT ST. BATH
TELEPHONE: BATH 60251 (5 LINES). TELEGRAMS: STAINLESS, BATH.

AD 785

Now in prompt Supply

Selka

The
Quality Brand
of Surgical Rubber Goods
Finest and most reliable !

SELKA LTD.

23 DERING ST., BOND ST., LONDON, W.1
Mayfair 2412

Factory : - TRADING ESTATE, SLOUGH, BUCKS



Demand still outstrips supply and you may not therefore be able to buy all the Dunlop bottles you can sell—DUNLOP RUBBER CO. LTD., Cambridge Street, Manchester.

47G/SG1

ANTHOS

SOLUBLE TOWELS

WITH LOOPS

"Than which there is no finer towel"

MADE BY
LAX-VITA LTD. 66 VICTORIA ST. LONDON S.W.1.

CONSISTENT

PURITY

STRENGTH

QUALITY

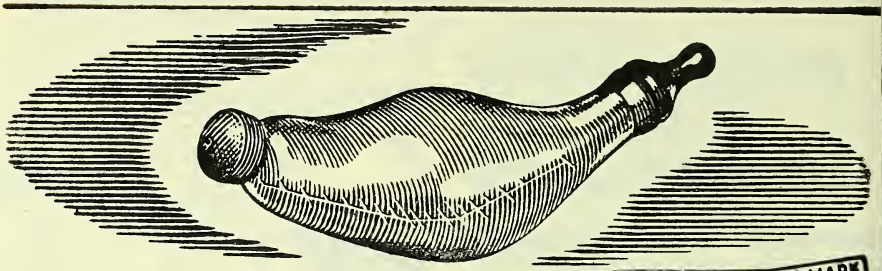
POSTLIP

MILL 633

Filter Papers

EVANS, ADLARD & CO. LTD · WINCHCOMBE · GLOS.

12097



The Original Seamless
MOULDED HEAT CURED

TEATS & VALVES

REG° TRADE MARK
Lullaby

CAN BE STERILISED CONTINUALLY WITHOUT DETERIORATION

Still made to the same unapproachable quality standards

To retail at 6d. each. Supplies are still not adequate to meet all demands but are steadily improving.

Made only by
THE RELIANCE RUBBER COMPANY, LTD
Lots Road, Chelsea, London, S.W.1
Telephone: Flaxman 6200 & 0985/6
Telegrams: "Doorstop," Fulroad, London

WOMEN KNOW FROM EXPERIENCE THE SECURE COMFORT OF

MENE
SANITARY TOWELS

and

MENEX
SOLUBLE

SUPPLY THEM WHENEVER YOU CAN

ROBINSON & BONS LTD · CHESTERFIELD & LONDON

GARDINER'S FOR Overalls



WHITE DRILL JACKETS, 2 coupons
3 Pockets. Chest 34"-46" 10/9
LONG COATS, 3 coupons
White or Grey „ 34"-46" 14/11
„ „ „ „ 48"-52" 17/-
Khaki or Navy „ 34"-46" 15/9
„ „ „ „ 48"-52" 18/-
WOMEN'S OVERALLS, 3 coupons
Long Sleeves — White Drill,
Wrap Over Style
SW W & WX OS & XOS
12/- 12/9 14/3
Coat Style, Belted,
13/9 14/6 15/8
Wrap Over Style, Saxe, Green and Navy
13/6 14/6 16/-
Coat Style, Belted,
15/10 17/2 18/6
Post I or 2 7d. All above Shrunk State Chest Measurement. Send Cash and Coupons with Order, over £2 Carriage Paid.

GARDINER & CO. (The Scotch House) Ltd.
1, 3 & 5 COMMERCIAL ROAD, LONDON, E.1
Opposite Aldgate East Station 'Phone. BIS 6751 (3 lines)
Branches: DEPTFORD, S.E.8; WOOLWICH, S.E.18
CLAPHAM, S.W.11

G1

This is the SEALING for selling!



★ Here's an eye-catcher for your product! It's Sellotape—the modern method for sealing jars; and the smart, quick sealing for packets and parcels. And it's ideal for fixing and protecting labels. Sellotape is supplied in colourless transparent and a range of colours, plain or printed with your sales message, and in many widths. No moistening necessary — Sellotape ensures secure air-tight sealing at a touch. Seal with Sellotape and put punch in your packs.

GORDON & GOTCH, LIMITED,
Dept. C.D. 5,
75/79 Farringdon Street,
London, E.C.4



Sellotape
SELF-ADHESIVE CELLULOSE TAPE

WYLIE'S
Abrasive
HAND SOAP

It's QUICK— It's GOOD!



INVALUABLE IN THESE DAYS OF SOAP SHORTAGE

This is the scarlet and pink tin that catches the customer's eye — outstanding on your shelf, compelling in its attractiveness; WYLIE'S Abrasive HAND SOAP is kind to sensitive skins, it cleans and protects hands, making them soft and supple while gently removing grime. No grit, acid or caustic. A quality line worthy of warm recommendation. Write us now for full details.



NO COUPONS
1/6
IN THE PINK AND RED TIN

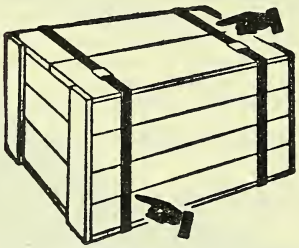
WYLIE'S CLEANSERS LTD., 12 DARTMOUTH STREET, LONDON, S.W.1

USE :—

Wire Bands

BANDING SYSTEM

It's speedy! It's simple!!
Above all—It's Secure!!!



THESE BANDS WILL ENSURE YOUR GOODS ARE DELIVERED INTACT

Wire Bands Ltd.

114, LANCEFIELD STREET, LONDON, W.10
Ladbroke 0725

No hit or miss!

Every batch of Rodine Rat Poison is tested biologically and chemically before being packed.

RODINE

Renowned for fifty years as fatal to rats and mice!

Rodine the original Rat Poison (Phosphorus), also Rodine (Red Squill) the popular 'official' poison for rats.

Licence No. M.A.F. 10046

P.A.T.A.

Sole makers :

T. HARLEY LTD.

RODINE WORKS, PERTH, SCOTLAND

A DELICATE SUBJECT — FOR DELICATE SKINS

The TOTTY-POT

Rubber Ringed for — Cushion Comfort



Trade Mark "Totty Pot" Patent-applied for

A NON-CORROSIVE ACID-PROOF HYGIENIC CHILD'S CHAMBER

Detachable ring, easily removed for cleaning purposes

Made of Aluminium

ANODISED IN SOFT PASTEL SHADE

SOLE MANUFACTURERS
J. BILLIG & SONS LTD.,
ESTABLISHED 1899

BILTIN WORKS, FONTHILL Rd LONDON N.4.
TELEPHONE: ARCHWAY 2753 & 3858



S. MAW, SON, & SONS LTD.

P.O. Box 54, BARNET

Aldersgate House, Barnet, Herts.

DISTRIBUTORS TO THE TRADE FOR THESE TWO POPULAR FRUIT BOTTLING LINES





POROSAN SKIN in **2/-** and **5/-** rolls

sufficient to seal 6 and 18 jars respectively. Thicker and better than ever.

POROSAN CAPS and **RINGS**

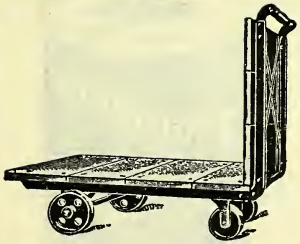
in 3 packs retailing **3/-** doz. 1 lb. 2 lb. and 50/50 Pack ($\frac{1}{2}$ doz. each size).

Order **EARLY** *for* **1948** *Season*

Marketed by **POROSAN LTD.** **65-66 CHANCERY LANE LONDON, W.C.2**

TYNE TRUCK & TROLLEY CO. LTD

66/68 NORTHUMBERLAND STREET NEWCASTLE UPON TYNE.1



Trucks and Barrows of every description.

Carboy-Tilters, Sackholders, Etc.

LABELS OF DISTINCTION

For Wholesale Manufacturing & Retail Chemists

MEDICAL and DISPENSING LABELS, TOILET, COSMETIC and PERFUME, largest range of STOCK LABELS (attractive two-colour 50-60 wordings), SHAMPOO POWDER ENVELOPES and INNERS, also SACCHARINE TABLET ENVELOPES, with name and address. We can also offer multi-coloured advertising stamps in exclusive designs.

Send for our extensive sample range

CARILLON PRESS LTD

Artists in the Production of Fine Labels

BOURNEMOUTH

HEAD PESTS

a NEW approach

A JEYES PRODUCT

SULEO Eradicates and Prevents Head Pest Infestation *(Pediculosis capitis)*. One application will clear the most heavily infested head or will keep a clean head free from head pests for 14 days, even if contacts are made with infected persons.

3oz SPRINKLER BOTTLE
(Six treatments)

INC 2½ TAX

PHARMACISTS' DISCOUNT 33⅓%

CHEMISTS' FORMULA

SULEO
DDT HAIR EMULSION

"Every case so far treated with D.D.T. emulsion has been cured by one application. This result is to be expected, as the duration of protection with D.D.T. exceeds the incubation period of the nits." (B.M.J., 24th March, 1945.)

Manufactured for
JEYES' LABORATORIES LTD., LONDON, E.13
By the proprietors
JEYES' SANITARY COMPOUNDS CO. LTD., LONDON, E.13

CARTONS— ECONOMY WITH EFFICIENCY

Economy need not necessarily mean something less good than the best.

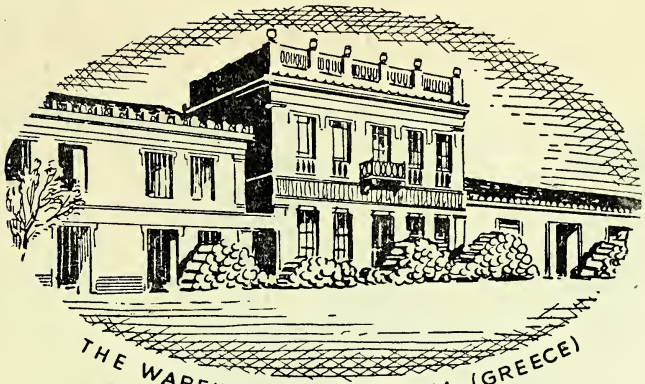
Our patent carton with the clips is as efficient in use as it is economical in manufacture.

BOXFOLDIA LTD
BOURNBROOK, BIRMINGHAM

'Pharmitex'
PURE TOILET TISSUE is post war quality and for *Chemists only.*



HAROLD WESLEY LTD.
HARLEY MILLS, LONDON, N.W.10



THE WAREHOUSE AT ÆGINA (GREECE)

"RELIANCE"

SPONGES

AND CHAMOIS LEATHERS

The illustration above is of one of the large warehouses on the Greek island of Aegina, where sponges from all the big fishing centres throughout the Mediterranean are collected, prepared and packed for distribution to the markets of the world. In our 100 years of steady progress we have maintained our reputation as the " right house " for Sponges and Chamois Leathers (" Reliance" Brand). Your enquiries will receive our courteous, prompt and knowledgeable attention.

We have no connection with any other firm advertising Sponges or Chamois Leathers in this Journal.

CRESSWELL BROS. & MARKS

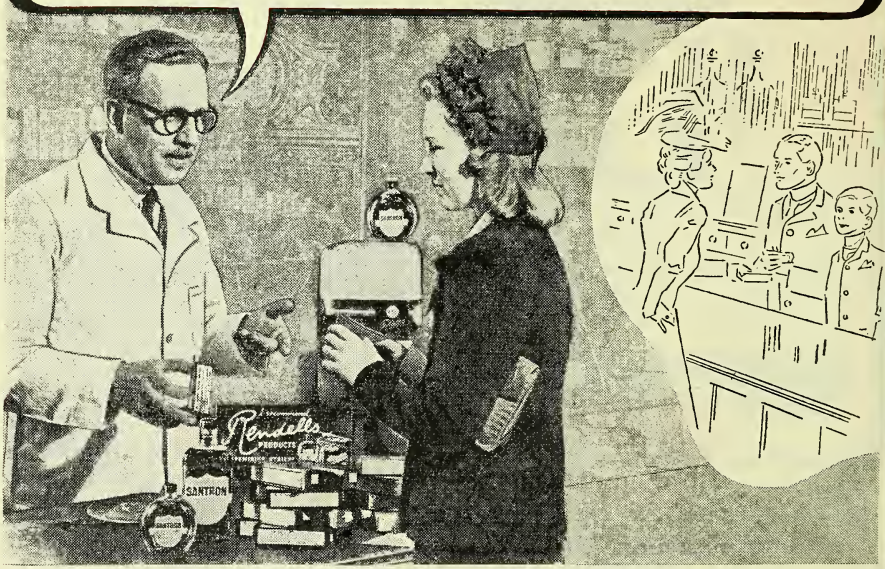
(INTERNATIONAL SPONGE IMPORTERS LTD.)

5A BUCK STREET, CAMDEN TOWN, N.W.1

'PHONE: GULLIVER 5462-3. 'GRAMS: SPONGE, NORWEST, LONDON

C6

It's a tradition with us



" Yes, Mrs. Dale, we have been established a very long time and ever since I can remember from my apprenticeship days here, we have always recommended Rendells. No, the transparent wrapping is not new. It was always a feature of Rendells packing before the war, and is just another indication the product is back to normal."

ON BOTH SIDES OF THE COUNTER



THERE'S CONFIDENCE IN

Rendells

NOW WRAPPED IN CELLULOSE FILM AGAIN

W. J. RENDELL LTD., 161 ROSEBERY AVENUE, LONDON, E. C. 1

Sunglasses for the 1948 Season



From your usual wholesaler

Wholesale enquiries to

ALFRED FRANKS & BARTLETT CO., LTD.

AUDREY HOUSE, ELY PLACE, LONDON, E.C.I.

CHEMISTS' CF FORMULA



"ZEMS"

HERBAL LICORICE TABLETS

THE BEST MEDICATED TABLETS FOR COUGHS, COLDS, ASTHMA, BRONCHITIS, ETC.

Supplies may be obtained from C.F. Wholesale Houses.

ZEMS, LTD.

718-724 Seven Sisters Road, London, N.15

What your customers say about



(BAUME DALET)

Made expressly for Bunions

One thing about B.D. (Baume Dalet) — it is extra business for you — not just a substitute for something you already sell.

Another thing.— It is highly satisfactory business. We are receiving literally hundreds of letters from Bunion sufferers all over the Country thanking us for the relief B.D. (Baume Dalet) has brought them.

"More relief than anything I ever tried." "Great relief at 77 years of age." Greatest relief of anything I have had." "Don't know what I would do without it." "The first relief from pain I have had for years." "The most wonderful dressing I have ever used." "It is wonderful."

ARE YOU TAKING ADVANTAGE OF THE BUSINESS WHICH OUR ADVERTISING IS CREATING FOR YOU ?

●

From your usual Wholesaler, or direct from:—

SPLENDOR LABORATORIES

SOLE DISTRIBUTORS FOR U.K.

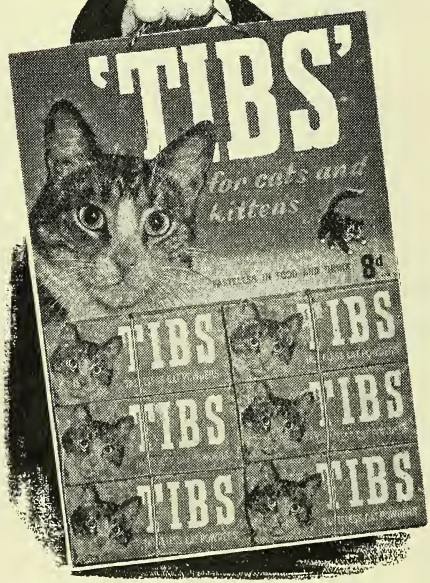
7c LOWER BELGRAVE STREET, LONDON, S.W.1

AND AT NOTTINGHAM

●

PAUSE TO REGARD THIS HANGING CARD!

says 'TIBS' the kittenish cat



★ SAVES COUNTER SPACE
★ GETS QUICK ATTENTION
★ MAKES SERVING EASY

'Tibs' Cat Powders now come to you with this new striking three-colour display card. Hang it up in a prominent position in your shop. It will increase your sales of 'Tibs' without cost or trouble.

Tintex

THE WORLD'S LARGEST-SELLING HOME DYE

CHEMISTS' AGENTS:—
Thos. Christy & Co., Ltd.
Farnham, Surrey.

GOVERNMENT SURPLUS STOCK FOR SALE

Drugs by well-known firms. All in perfect condition
4,500 Tubes, 4 ozs. of Gentian Violet with M
phiolate 1 in 5,000, by Eli Lilly & Co., Ltd.,
12/- per dozen. 750,000 Tablets Amphetam
Sulphate 5 m.g., in bottles of 500, by Griff
Hughes, @ 4/- per 1,000. 140,000 Tab. H
Subchlor, gr. ¼. Bottles of 500, by Howard & S
1/6 per 1,000. 20,000 Tubes Hyoscine Hydrobr
1/200 grain, in tubes of 50, by Kirby & Sons
Griffiths Hughes, @ 6/- per dozen tubes. 900,
Tablet Syrup Easton, 30 minims sine Quinine. S
in bottles of 500 by Burgoyne Burbidges @ 2/-
1,000. 150,000 Tab. Plumbi Subacet. grain 10,
bottles of 500, by R. Daniel & Son, @ 3/-
1,000. 300,000 Solvelle Pot. Permang. gr. 2,
bottles of 500, by R. Daniel & Son, @ 3/-
1,000. 140,000 Tablets Zinc Sulphate gr. 5. Bot
of 500, by Howards & Sons, @ 3/- per 1,0
120,000 Tablets Argent Proteinate, 4.375 gr.,
Kirby & Sons, @ 6/- per 1,000. 375,000 Tabl
Euflavine 0.875 grains, with Sodium Chloride,
May & Baker, in bottles of 500, @ 10/- per 1,0
350,000 Tab. Hyd. Perchlor. 8.75 grain, by B
goyne Burbidges, in bottles of 500, @ 6/- per 1,0
TERMS: Cash with order. Tax paid; bottles fr
Carriage Free. Satisfaction guaranteed.

THE BRITISH SURGICAL HOUSE
LIMITED.
48 Higher Bridge Street, Bolton, Lancs.
Tel. No. BOLTON 3168

ADVANCE IN MUSTARD PRICES

January 5th, 1948

REVISED CONSUMER PRICES:

½ lb. tins . . 2/3d.

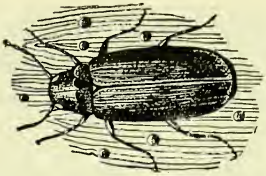
¼ lb. tins . . 1/2d.

2 oz. tins . . 7½d.

3d. tins no change

J. & J. COLMAN

CARROW WORKS, NORWICH



RENTOKIL TIMBER FLUID

Will increase *Your* sale

National Press advertisements have resulted in many thousands of requests for **RENTOKIL TIMBER FLUID.**

The demand from Architects, Builders and the Public is increasing weekly. Many say they are unable to obtain locally.— **Are you missing this sale?**

Write for Trade Terms to :

RENTOKIL LTD

SCHOOL LANE, FETCHAM, SURREY
Leatherhead 3664

London Office:
168-170 Stockwell Rd., S.W.9.
Brixton 6426

Thinking of NORTHERN IRELAND

WILL REMIND YOU OF

Belfast Telegraph

The Newspaper with the largest circulation in Northern Ireland. Read in the homes of the people throughout the whole of this important industrial and agricultural part of the

UNITED KINGDOM

HEAD OFFICE: ROYAL AVENUE, BELFAST.

LONDON OFFICE: 112 FLEET STREET, LONDON, E.C.4

Peter Brent & Co. Ltd.

BOTTLES for PERFUME, MEDICAL PRODUCTS, TOILET PREPARATIONS.

JARS for FACE CREAM, HAIR CREAM BATH SALTS

Enquiries invited
Lists and Prices on Request

Dudley House, Southampton St., Strand London, W.C.2

Phone: Temple Bar 9586-7



BROBAT BRODRY BROAMAT BROBAT SUDS

BROBAT ... and now BROBA

BRODRY BROAMAT BROBAT SUDS BROBAT

BROAMAT BROBAT BRODRY BROBA

BRODRY

BRO

BROAM



Brobat Disinfectant Germicide is the latest additio to the BROBAT range. Stock up NOW with t powerful (4 times stronger than carbolic) no poisonous non-staining Germicide and take adva tage of the National Press Advertising Campaig

Limited supplies of BROAMAT, the coupon fr liquid woolly washer, are now available.

Enquiries invited from Wholesalers, and stockists in London, Midlands Southern and Eastern England:

BROBAT DISINFECTANT GERMICIDE

Brobat Distributors, Ltd., 241 Main Rd., Sidcup. Tel.: Footscray 132

REVISED PRICES OF VEAST-VITE · IRON JELLOIDS CICFA TABLETS · HOLLOWAY'S PILLS · HOLLOWAY'S OINTMENT

As a result of increases in Purchase Tax, the following price changes became effective from November 13th.

RETA'IL (Inc. Tax)	WHOLESALE	NEW TAX
Small Sizes 1/6	11/- doz	3/8
Medium Sizes 3/8	27/3 doz	9/1
Yeast-Vite Twists 4d.	54/- doz (24's)	18/-

Distributors :—

Irving's Yeast-Vite Ltd., Watford

SUNRAY (REGD.)

MALT WINE PRODUCTS

A quick selling and profitable line for Wine Licence Holders.

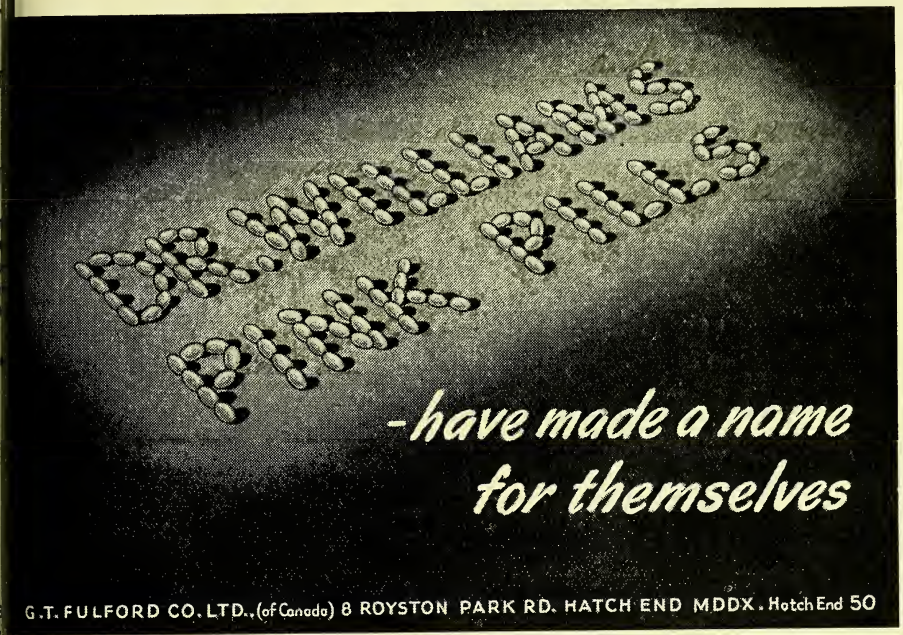
	Fixed Max. Price
GINGER WINE	12/6
ORANGE WINE	12/6
SWEET & DRY WINE	10/6
VELVET LADY COCKTAIL	12/6
MORELLO COCKTAIL	14/6
SWEET NELL COCKTAIL	14/6

Trade enquiries to

RICHARD DAVIS LTD.

49. Old Bond Street, London, W.1.

Est. 1864





The Brand that rings the bell!



Keep your cash register busy this winter by showing the attractive "Autumn Sun" display card, linking up with "Autumn Sun" national advertising. These, plus "Edme" quality and "that butterscotch flavour," ring a bell with the public.

NATIONALLY ADVERTISED
Advertising in national Press will appear throughout the Season. FREE—handsome Jar-holder display showcard in full colour creates sales.

EDME
Autumn Sun
MALT AND OIL

Manufactured from finest ingredients obtainable. *Full particulars from :*

EDME LIMITED · IMPERIAL HOUSE, REGENT ST., LONDON W.1.
TELEPHONE REGENT 5563-4

WHY IT PAYS YOU TO SELL THE LARGE SIZE CARTERS

★

IT PAYS YOU to sell the large-size Carters because you can make 1/- profit on every 3/10 tube. And you'll find it easy to sell this size because the customer saves 10d. and gets 5 extra pills. Supplies are readily available. Send your order now and see how easy it is to make big profits!

★

ORDER YOUR CARTERS LITTLE LIVER PILLS *Now!*

from Thomas Marns Ltd., 2 Caxton Street, S.W.1

The Original Chemist Seidlitz

G. O.

Lemon Flavoured and Sweetened

SEIDLITZ POWDERS

4½d. Ordinary Strength — 6d. Extra Strong
7d. Double Strength

32/- 40/- 48/- per Gross
plus Purchase Tax

MILNER & COKE LTD
JOHN PENN STREET
LEWISHAM S.E.13

P.A.T.A.

"Hobson's Choice" CORN PLAISTERS POWDERS
COMBINATION PACK
FOR CORNS

Feet Plaisters & Powders. This popular remedy gains new sales successes weekly. Wide spread advertising assures constant demand. Have you got stocks?

HOBSON TRIMBLE & CO., LTD.
Union House, Leeds, 2

JOHNS, SON & WATTS, LTD
J.S. & W.
THE PACKAGING SPECIALISTS
Letterpress & Litho Cartons, Folding Rigid Boxes, Packings for Special Purposes
2-4 EPWORTH STREET, LONDON, E.C.
'Phone: MONarch 7408 (3 lines)

PEGOL (REGD.)
"RUBGUM" TEETHING SYRUP
SOOTHES BABY'S GUMS AND MAKES TEETHING EASY
ATTRACTIVE SHOW CARD. BONUS BOTTLE WITH EACH DOZEN. COST 14/6 DOZ. PLUS 2/7½ TAX. RETAILS 2/- BOTTLE
If your Wholesaler is out of stock, write to Arlington Chemicals, 18/19 Arlington St., Hull, Yorks.
FOR HOME AND EXPORT
Yorkshire distributors: Messrs. Lofthouse and Saltmer, Hopwood St., Hull, E. Yorks.

The Finest CHOCOLATE LAXATIVE YOU CAN SELL



AS GOOD AS ITS NAME IMPLIES



Made to an improved formula, ensuring perfect keeping qualities. Safe and gentle in action. Coated with fine chocolate.

SIXES 3D.
FIFTEENS 7D.

THE BETALAX CO., 25 HANOVER SQUARE, LONDON, W.1

You've got to hand it to your customers



-they KNOW THAT THE EXTRA QUALITY OF HARROGATE HEALTH SALTS IS WORTH MUCH MORE THAN THE LITTLE MORE IT COSTS (STANDARD TIN) **2/-** (FAMILY TIN) **3/9.**

WHAT ABOUT *You?*

ORDER FROM THE SOLE SELLING AGENTS

KORAY LTD.

Koray House, 25 Hanover Sq., London, W.1.

Manufactured by
The Harrogate Tablet Co. Ltd., Harrogate.

IMPORTANT ANNOUNCEMENT

Issued by **M. CALTHORPE & CO., LTD.**, *Manufacturing Chemists,* **OSSETT, YORKSHIRE**



Good news for our Trade Friends. VIRONITA — now prepared under Ministry of Food Licence No. FVP7707/1972/MED has an even better Formula, produced at a lower cost. The savings we pass to the ever increasing numbers who daily enjoy the benefits derived from taking this fine Iron Tonic. Approved retail prices operating from 13th November are 4/6 and 2/9 per large and small bottles, including Purchase Tax. This price reduction, backed by powerful publicity, makes easy sales easier still, and every sale shows a generous profit margin. So, Buy Now ! — display and recommend VIRONITA IRON TONIC and attract regular, worthwhile custom to YOUR shop.

NEW RETAIL PRICES, INC. PUR. TAX, FROM NOV. 13 4/6 and 2/9

VIRONITA IRON TONIC

V3/9/9

Dr. Weil's Medical Products Ltd., have pleasure in announcing that :—

BRONCHOVYDRIN

(1945) LTD.

have appointed them sole distributors for their Asthma Inhalant and other Products.

Please address all enquiries to :—

Dr. Weil's Medical Products Ltd.,
12 Westwood Road,
Barnes, S.W.13

EDIBLE EMULSIFIERS

GUARANTEED TO CONFORM TO FOOD & DRUGS SPECIFICATION

SAMPLES & PRICES ON REQUEST

The Faylene Manufacturing Company
15 Queens Court, Lower Briggate, Leeds 1
Telephone 22594

SD2

The Symbol of PERFECT Skin Health

A revolutionary product for the treatment of skin illnesses with unusual penetrative power. Sold under a money-back guarantee of satisfaction. Liquid and cream. Prompt deliveries.

BIO-COLLOIDS, LTD., ALTRINCHAM, CHES.

PATA

BC 20

This Season! INFLUCOL

CHEMISTS CF RATION REG.

FOR IMMUNISATION



Influcol has been considerably improved in formula and pack. The pellets are now made with yellow coatings for immunisation and red coatings for treatment. They are packed in bottles with a beautiful and attractive design.

Veuillez nous consulter sur les exportations.

Sirvanse Vds. consultarnos sobre as exportaciones.

Queiram consultar-nos sobre as exportacoes.

FOR TREATMENT

OF THE COMMON COLD

INFLUCOL LTD. 24, 26, 28 CHAPEL ST. BRADFORD, ENGLAND

Telephone : BRADFORD 28797 (10 lines). Cables and Grams : KEMTHEUTIC, BRADFORD
Codes : A.B.C. (5th and 6th Editions) Bentleys and Smiths



Zefinges contain Nicotinamide, or the *p.p.* factor, and represent an advance in the orthodox treatment of those afflictions affecting the bronchial system.

Limited quantities available. Packed in decorated tins.

ZEFINGES BLACK CURRANT PASTILLES

Veuillez nous consulter sur les exportations.

Sirvanse Vds. consultarnos sobre las exportaciones.

Queiram consultar-nos sobre as exportacoes.

CHEMADIN LTD. 24, 26, 28 CHAPEL ST., BRADFORD, ENGLAND

Telephone : BRADFORD 28797 (10 lines). Cables and Grams : KEMTHEUTIC, BRADFORD
Codes : A.B.C. 5th and 6th Editions Bentleys and Smiths

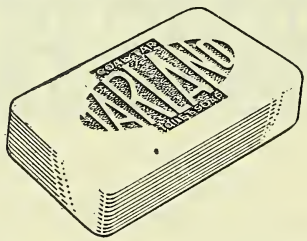
Tarlano

COAL TAR SOAP

-WINNING NEW CUSTOMERS EVERY DAY!

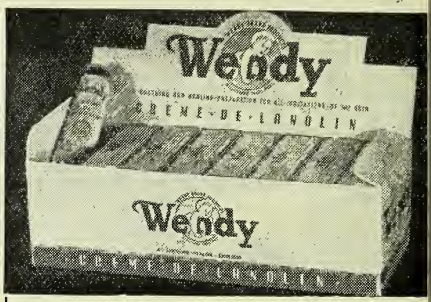


Tarlano, the new coal tar soap, shows every sign of becoming a best seller. It suits the *whole* family. It is first rate coupon value and is of excellent quality. Cash in on this growing demand by stocking Tarlano yourself.



PURE PRODUCTS LTD., NOTTINGHAM

PTS



Wendy Brand CREME de LANOLIN created to meet the demand for a smooth, easily applied creamed lanolin, is now available in handy cartoned tubes and attractive 2-dozen display outers.

This new presentation will increase your sales on an already established fast-selling line.

Manufactured by
COLLEGE LABORATORIES LTD.
WARMLEY — BRISTOL

Retail Selling Price
1/4½ inc. tax. Tax ⅓rd only.

SOLE DISTRIBUTORS
FINLEY-KALE LTD.
27/29 BALHAM HILL, LONDON, S.W.12
Telephone - Tulse Hill 3338

A SPLENDOR PRODUCT

YOU OUGHT TO STOCK!

An excellent formula
—a striking pack
—a rapid seller
and steadily advertised.

3½d., 6½d., 1/5 and 2/6 Incl. P. Tax

Prompt delivery from all wholesalers or direct from

SPLENDOR LTD.
LONDON and NOTTINGHAM

PROPAX

DOUBLE POWER
TABLETS
REALLY STOP PAIN P.A.T.A.

A Few "4702" products

ALL OVER THE WORLD 4702 BUY 4702 PRODUCTS IT PAYS



"EVERSURE" TRADE MARK SANI-PANTIE

SHOULDER PADS



"DUCHESS"
"ROYAL"
"PRINCESS"
"ACCENTUATE"
"EXAGGERATE"

"VALENTINE" TRADE MARK



COMPACT

"MODERN MISS" TRADE MARK SANITARY BRIEF





WATERPROOF AND WASHABLE NO BELT NEEDED

VALENTINE TRADE MARK ADJUSTABLE WATCH STRAP

"MAJESTIC" TRADE MARK



"DINNI-PINNI"

DRESS SHIELDS



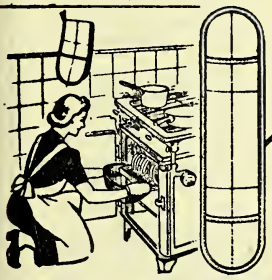
"LUNA" TRADE MARK MODERN SANITARY TOWEL



The Greatest Boon & Comfort

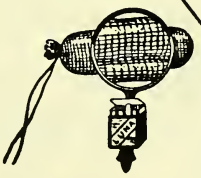
GIVES COMPLETE PROTECTION

"VICTORY" TRADE MARK



THE "MAJESTIC MAJOR" BABY PANTS





OVEN GLOVE PADS ALSO COT SHEETS & ACCOUCHEMENT SHEETS

EXPORT QUOTA AVAILABLE

MADE IN ENGLAND

24, HIGH STREET WANSTEAD, LONDON E.11

SevenSeaS COD LIVER OIL

is a best seller and a quick mover. Opportunities for increasing turnover are greater than ever this season. The greater your turnover the greater your service to the public.

Difficulties of production and transport are not going to be less. See that your requirements are well covered in good time for the winter season.

ISSUED BY BRITISH COD LIVER OILS (HULL & GRIMSBY) LTD., ST. ANDREW'S DOCK, HULL

WE MAKE

TOILET PREPARATIONS

e.g. *LAVINIA LIPSTICKS AND ROUGE CRESTOLAN CREAM BRILLIANTINE AND SOLID BRILLIANTINE.*

WE ALSO MAKE

PHARMACEUTICAL PREPARATIONS

e.g. *CRESTOL ANTISEPTIC, OINTMENTS, INHALANT, ETC.*

IF YOU ARE INTERESTED

AND OUR REPRESENTATIVE HAS NOT YET CALLED—

Write for price list to:—

CREST LABORATORIES LTD.

Manufacturing Chemists

BURY NEW ROAD, SALFORD 7

NEW PACKINGS AND PRICES FOR

Kerbina Regd.

TABLETS

Now packed in three sizes at the revised retail prices (including purchase tax) listed below:

Small Size (21 Tablets)	**2/10½**
Medium Size (42 Tablets)	**5/9**
Large Size (168 Tablets)	**19/9**

These are subject to the retail discount of 33⅓% (showing a 50% profit on your outlay).

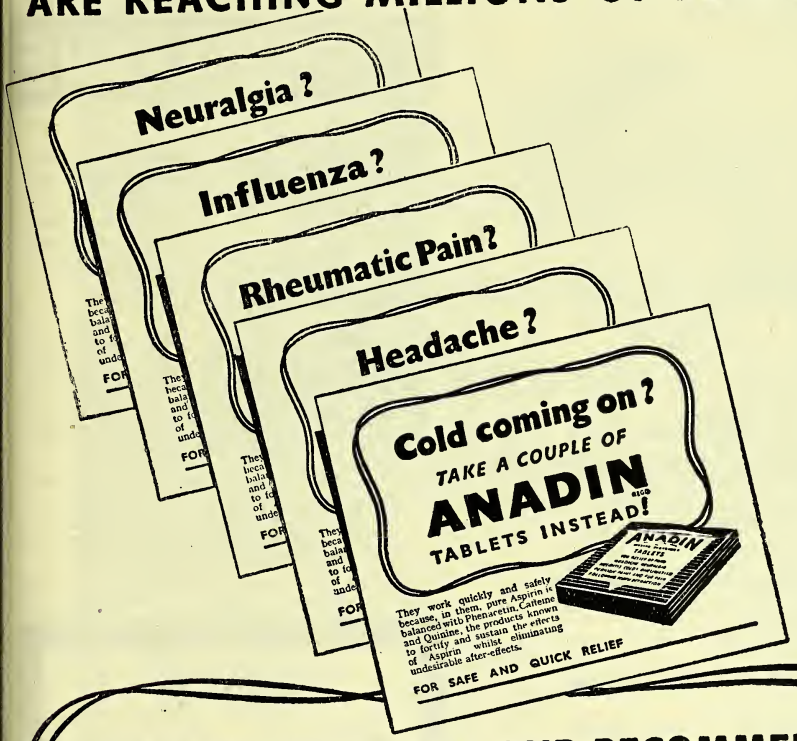
Kerbina, the botanic and biochemic preparation for use in pregnancy and childbirth, is extensively advertised in the press and by direct mail.

Supplies are obtainable from your usual wholesaler.

KERBINA LTD.

47-49 Westow Street, London, S.E.19

THESE ADVERTISEMENTS ARE REACHING MILLIONS OF READERS

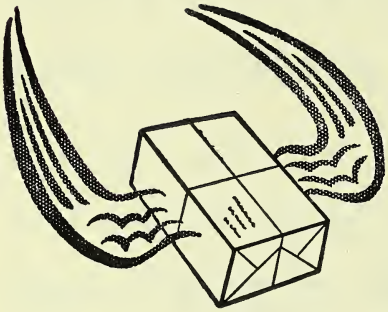


SAFE TO STOCK, SELL AND RECOMMEND

	Small	Large
Retail Price (*Incl. Purchase Tax*) ..	1/8	3/4
TRADE PRICES		
Per dozen	12/-	24/-
Purchase Tax per dozen.. ..	4/-	8/-
Price per dozen with Co-operation allowance.. ..	10/6	21/-



ANADIN REGD
TABLETS



OXOID laboratory preparations are despatched with unfailing promptness, and reach you with gratifying speed.

This is a service you can rely on; every order is an emergency order.

Write, telephone or wire your instructions.

OXO LIMITED

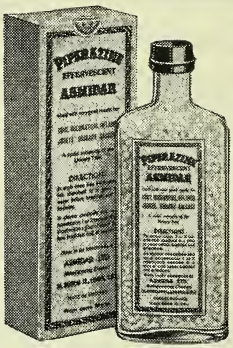
MEDICAL DEPARTMENT

THAMES HOUSE, QUEEN ST. PLACE, LONDON, EC4

TELEPHONE CENTRAL 8701

ASMIDAR SPECIALITIES

PIPERAZINE



This highly efficient antiseptic of the Urinary Tract is prescribed for Gout, Rheumatism, Inflamed Joints, Urinary Calculii.

Other Asmidar Specialities include Glutonine (Asmidar), Sulphazol Cream (Asmidar) and Ichthammol B.P.

Literature and full information gladly supplied on request

ASMIDAR LTD.

16 DOUGLAS STREET, LONDON, S.W.1

Telephone: VICTORIA 5556

PRICE CORRECTION

THE POST-BUDGET PRICES *of* JACKSON'S

FEBRIFUGE

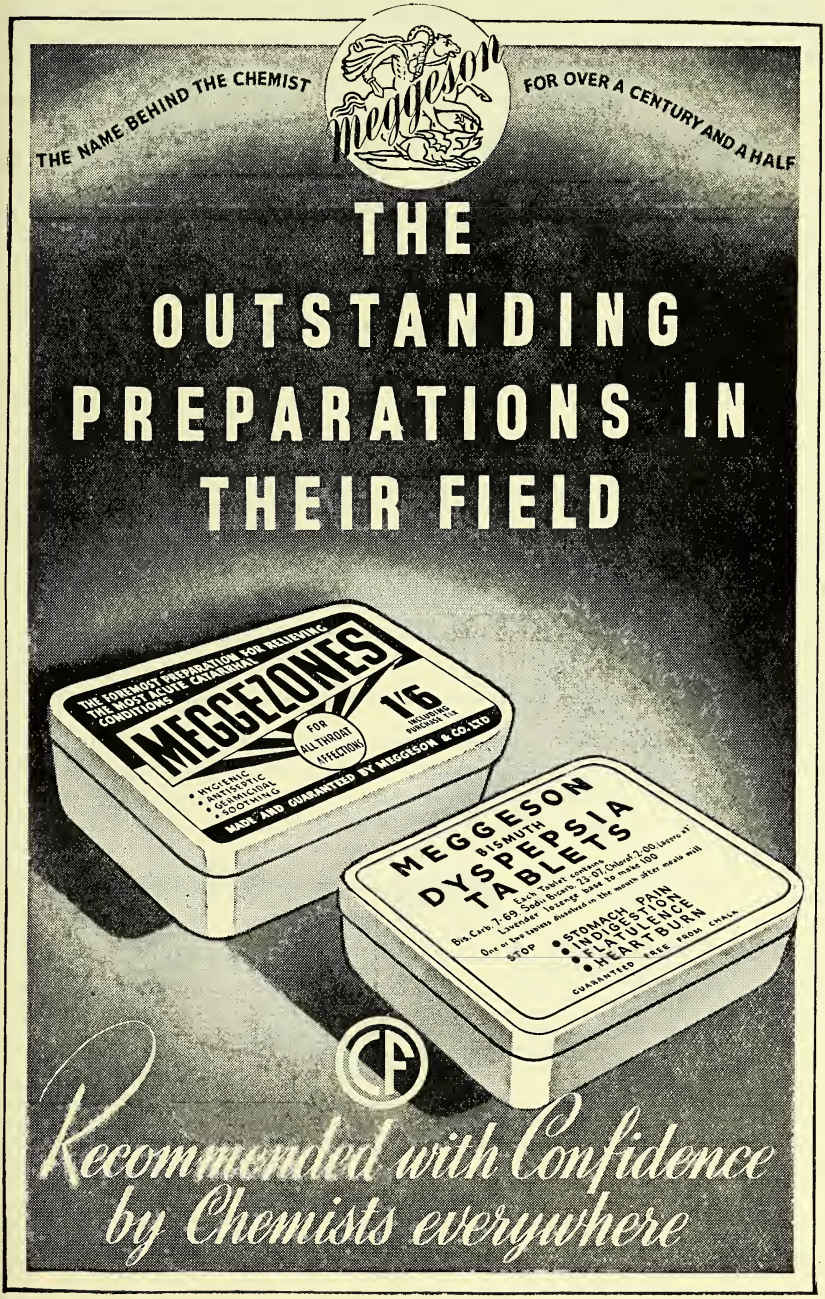
ARE

1/7 · 3/10 · 6/4

and not as printed in "Chemist & Druggist," Dec. 13, 1947

GEORGE JACKSON & SONS LTD

Brewery St., Harpurhey, Manchester, 9



MEGGESON & CO. LTD., LONDON, S.E.16

SEROCALCIN..

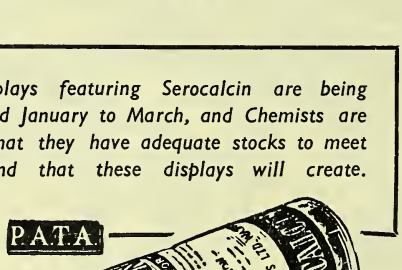
FOR THE PREVENTION AND TREATMENT OF COLDS

The extensive advertising campaign in all sections of the press and the personal recommendation of regular users have created a constantly increasing demand for Serocalcin. Ample supplies are available now and chemists are urged to maintain adequate stocks.

Special Window Displays featuring Serocalcin are being arranged for the period January to March, and Chemists are asked to make sure that they have adequate stocks to meet the additional demand that these displays will create.

P.A.T.A.

Pharmacists are reminded that the sole selling agents for Serocalcin in the United Kingdom are J. C. Eno Ltd., Watford, Herts. (Watford 7761) to whom all orders and enquiries should be sent.



Serocalcin is packed in 20s and 60s.

HARWOODS LABORATORIES LTD., WATFORD, HERTS.

Printed by The Haycock Press, Ltd., 106-140 Neate Street, Camberwell, S.E.5, and Published by the Proprietors, Morgan Brothers (Publishers) Limited, at 28 Essex Street, London, W.C.2.

The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is Inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2.

JANUARY 3 1948

Prevailing restrictions and heavy demand on space necessitate the holding over of a number of advertisements week by week. As normal press days are in abeyance advertisers are advised to send instructions as early as possible. Advertisements must be prepaid. Box Office Numbers 2/- extra.

Vacancies advertised are restricted to persons or employments excepted from the provisions of the Control of Engagement Order, 1947.

SITUATIONS OPEN

For 36 words or less, 3d. for every additional word

RETAIL (HOME)

QUALIFIED ASSISTANT required, male or female. N.H.I. No Sunday or holiday duties. Excellent living accommodation can be arranged. Please send usual particulars. Early Bunn, Ltd., Chemists, 95 High St., Chelmsford, Essex.

LONDON, W. Capable manager required for busy family branch in shopping centre. Well experienced in dispensing, counter service and display. Good salary and fine prospects for suitable energetic man. Apply Box 2/467.

ASSISTANT REQUIRED (permanency), qualified or unqualified lady or gentleman, for high-class pharmacy. Night dispensing and counter. Please send full particulars, salary required and snapshot, in first letter. Raymond Smith, 2 Cliff Rd., Newquay.

ASSISTANT WANTED, male. A newly qualified should find varied and valuable experience in this agency. Please apply with the usual particulars to Bestrode Cosh & Penfold, Ltd., Lower Union St., Bristol.

SYDON. Lady with knowledge of dispensing for retail pharmacy required. Unqualified or Hall. State experience, salary required and photo if possible. Dawson, 309 London Rd., Croydon.

LONDON branch manager required. Must be energetic, trustworthy and reliable, good wages and commission. staff. No Sunday or half day duty. Good working conditions. Phone 2752 or write Printers Pharmacies, Ltd., Bampton St., Tiverton.

DAILY PHARMACIST required by well-known West End chemists, good hours and congenial post. Apply Box 2/460.

LEAMINGTON SPA. Vacancy occurs for energetic young qualified, to manage branch shop. Apply giving all particulars to Hutton & Barrett, Ltd. 42 Parade, Leamington Spa.

LONDON, W.9. Excellent opportunity occurs for qualified manager at a High Road pharmacy with busy dispensing department and very brisk counter. Must be able to control staff and supervise displays. Good living accommodation available. Permanent, with excellent future for the right man. Apply Box 2/471.

NEAR ELEPHANT & CASTLE. Branch manager (qualified) needed for working-class pharmacy with busy N.H.I. Experienced staff. Good salary, permanent employment. Apply Box 2/469.

PHARMACIST as manager to take charge branch in West London. Permanent progressive post. Living accommodation if desired. Apply " B." Box 2/466.

QUALIFIED DISPENSER required, male or female. Light dispensing duties only. Box 2/462.

QUALIFIED MANAGER required for branch shop, lady or gentleman. Prospect of house if necessary. Grocers, Ltd., 265 Oldham Rd., Rochdale, Lancs.

QUALIFIED MANAGER required for branch in the East End of London. Must be able to handle N.H.I. and brisk counter. Branch capable of development, and a high salary will be paid to a really suitable applicant. Apply Box 2/468.

QUALIFIED MANAGER required for good-class family dispensing business in residential area of Wimbledon, Surrey. Permanent appointment. No living accommodation. Good salary. Apply Box 2/470.

QUALIFIED ASSISTANT required, male or female, for West End pharmacy. Five-day week and no Sunday duty. Apply giving full particulars of age, experience and salary required, to Marsons, Ltd., 123 Baker St., London, W.1.

SURREY. Qualified manager is required in good-class pharmacy; pleasant situation. Apply, with full particulars, to O. L. Carrington, M.P.S., 5 High St., Dorking.

UNQUALIFIED assistant required, mainly for dispensing in Croydon. Apply in first instance, giving full particulars of experience and salary required, to O. L. Carrington, M.P.S., 5 High St., Dorking.

WHOLESALE

AN ASSISTANT ANALYST (female) required, with experience of pharmaceutical analysis. Factory situated on eastern outskirts of London. Write, stating age, experience and salary required, to Box 2/439. This advertisement is inserted by permission of the Ministry of Labour and National Service, under the Control of Engagements Order, 1947.

AN OPPORTUNITY OCCURS with progressive company for manager and female assistant (a) For export; (b) To develop new department for the home market. Applicants must have good knowledge of technical, fine, pharmaceutical chemicals, dyestuffs and pigments; up-to-date experience of markets and connections with suppliers. Good remuneration. Apply Box 2/453.

APPLICATIONS are invited from keen, experienced salesmen calling upon the majority of chemists in the following areas:—(1) Lancs, Cheshire, N. Wales; (2) Cumberland and Westmorland; (3) Midlands north of Birmingham; (4) Scotland; (5) N. Ireland. Representatives in other areas earning £500-£1,000 p.a. from our two popular profitable nationally distributed lines. Excellent commission offered to real salesmen. Car owners preferred. Write full particulars to Box 2/427.

EVANS MEDICAL SUPPLIES, LTD., require representative to call on pharmacists in North-east Lancashire; also medical representatives for (a) Liverpool and (b) Oxon, Hants, etc. Applicants must have pharmaceutical qualifications; age not to exceed 35 years. Applications with full details to Evans Medical Supplies, Ltd., Home Medical Department, Speke, Liverpool, 19.

EVANS MEDICAL SUPPLIES, LTD., require an assistant analyst of Ph.C. or A.R.I.C. standard. Salary according to qualifications and experience. Apply to The Manager, Evans Medical Supplies, Ltd., 29 Fleet St., Liverpool, 1.

EXPERIENCED speciality salesmen required to carry additional high-class pharmaceutical line on very generous commission terms, calling on chemists and wholesalers in the following territories: (1) South Eastern Counties, (2) Eastern Counties, (3) Wales, (4) Scotland, (5) Midlands, (6) Lancashire/Cheshire. Box 2/465.

FIRST-CLASS REPRESENTATIVE required by a well-known proprietary house for the following territories: South-west England and South Wales. Qualifications: good connections with retail and wholesale chemists, stores and Co-operative drug departments. Car an asset but not essential. Remuneration: salary, expenses and commission basis. Please state full particulars, including age and when free to commence, to Sales Manager. Box 2/457.

HERBALIST required capable of buying and organising sales of bulk quantities all kinds of herbs. Full details, including salary required, in confidence, to Box 2/452.

JUNIOR ASSISTANT in cosmetic laboratory, matriculation standard, for routine analysis. Apply by letter to Prichard & Constance, North Circular Rd., London, N.W.10.

LANCASHIRE. Prominent company has vacancy for an enthusiastic representative with real ability to sell range of widely advertised C.F. Proprietary Medicines. Progressive position. Salary and expenses. Write in complete confidence, giving full particulars of experience, age and salary required. Box 2/410.

LOFTHOUSE & SALTMER, LTD., manufacturing chemists, Hull, require a representative for South Yorkshire, West Riding and Midlands. Please state full particulars: age, qualifications, experience, if car driver or owner, and salary required. (Preference will be given to one living on the ground). Address: The Secretary.

LONDON AND HOME COUNTIES. Two representatives are required by manufacturing chemists of repute marketing range of popular and widely advertised C.F. proprietaries. These situations are permanent and progressive, remunerated by salary and expenses. Applicants must give fullest particulars of experience, age and salary required. Box 2/409.

MANUFACTURERS of C.F. preparations require representatives or agents for all areas to carry their products on a 20 per cent. commission basis. Applicants must have good connection and be prepared to give full representation. Applications, with full particulars of present territory, companies represented and lines carried, to Box 2/390.

PROMINENT FIRM in London manufacturing and marketing wide range of pharmaceutical products, toilet preparations, etc., have a vacancy at their factory for an assistant pharmacist to supervise manufacturing. Apply, giving full particulars, age, experience, indicating salary required, to Box 2/443.

REPRESENTATIVE required by manufacturing and distributing company for the area of Yorkshire. Must have live connection among the pharmaceutical trade. Retail and wholesale. Remuneration, salary, commission and expenses. Write, stating full details, age and experience. Box 2/424.

REPRESENTATIVES required by manufacturers of high-class pharmaceutical products. Must be well-introduced to chemists. Generous commission. Send full particulars (incl. lines carried and territory covered) to Box 2/446.

REPRESENTATIVES (2) required Yorkshire and the N.E. Midlands. Preferably with connections for baby soap and ointment. Special attractive commission terms. Box 2/447.

REPRESENTATIVES required on generous commission basis with good connection chemists, Co-ops., stores, etc., in London and Home Counties and certain provincial areas, for new line of pharmaceutical products making rapid headway. Write full details age, experience, territory covered, lines at present carried, to Alpha Pharmaceuticals, Ltd, 130 Larkhall Ln., S.W.4.

STOREKEEPER required by cosmetic manufact S.W. London area. Previous experience esse Age under 40. Write, giving full details of e ence and salary required, to Box 2/438.

THE BRITISH DRUG HOUSES, LTD., require a young assistant pharmacist for their manufact laboratories. Apply Personnel Manager, Graham City Rd., N.1.

TWO VACANCIES exist for representatives of p sales ability in (1) Eastern Counties and (2) berland, Durham, Northumberland and West land. Excellent opportunities for enthusiastic Remuneration by salary and expenses. Write st experience, salary required, age, and if car o to Sales Manager, Westminster Laboratories, Chalcot Rd., London, N.W.1.

UNQUALIFIED lady assistant required at onc Wright, Layman & Umney, Ltd., for positic modern ampoule department. Apply with refer and full particulars of experience and salar quired, to 66/76, Park St., S.E.1.

WELL-KNOWN PROPRIETARY HOUSE rec first-class representative for the following territ Yorkshire, Durham and Northumberland. Qu cations: Good connections with retail and w sale chemists, stores and Co-operative drug de ments. Car an asset but not essential. Remu tion: Salary, expenses and commission basis. P state full particulars, including age and when to commence, to Sales Manager. Box 2/455.

YOUNG LADIES REQUIRED for reagent sectic laboratory. Progressive situations. Five-day Apply to Chief Chemist, Hopkin & Williams, St. Cross St., Hatton Garden, E.C.1.

CLERICAL

WORKS ACCOUNTANT required for new che and pharmaceutical factory at Hazel G Cheshire. Applicants should possess a sound k ledge of process costing and of general accounta Experience in a commercial organisation woul desirable although not essential. Applications be treated in confidence and should contain particulars of age, qualifications and experi They should be addressed to: The Secretary, B Schering Manufacturing Laboratories, Ltd., Fitzwarren St., Salford, Manchester, and ma "Confidential."

COMPANY SECRETARY. Applications are in from qualified accountants for appointment secretary to a group of three associate comp manufacturing and marketing ethical pharma ticals. The position includes assumption of sponsibility for preparation of companies' acco general financial and personnel control, superv of process costing, efficiency of statistical re and all clerical procedures. Previous experienc a commercial organisation would be desi although not essential. Applications will be tre in confidence and should contain particulars of qualifications and experience. They should marked "Confidential" and addressed to Ma ing Director, British Schering, Ltd., 167 G Portland Street, London, W.1.

WHOLESALE (OVERSEAS)

EXPORT. Area sales executive required with s experience of overseas marketing. Applicants sh have the capacity to formulate their own p and be prepared to study closely the economic dition and the regulations governing trade in territories allotted to them. A know'edge of c mercial law, shipping procedure and bills of change is desirable. Experience in the pharma tical trade is a distinct advantage but not essen The positions being created offer interesting progressive careers to young men of more t average ability. Write, giving full details of education, commercial training and experience, wartime service. Box 2/428.

ULLY QUALIFIED CHEMIST to take charge of a our mill laboratory for well-established British rm in British East Africa. A four-figure salary ith 4-year contract, including first-class passage, ill be paid. Superannuation scheme. Annual local eave and four months' home leave after each tour f service. Interviews in London. Please supply full articulars in confidence to Box No. C.582, c/o acksons, 16 Gracechurch St., E.C.3.

SITUATIONS WANTED

/- for 18 words or less, 1d. for every additional word

RETAIL (HOME)

XPERIENCED DISPENSER (Hall) requires post in ell organised, modern pharmacy, hospital or phar- naceutical laboratory. Easy reach Baker Street. ox 2/473.

H.C., 31, seeks managership substantial private igh-class business, Cumberland or elsewhere con- enient for Carlisle. Alternatively, advertiser, with apital, would like to join others with progressive olicy in retail, wholesale or production and market- ng own products, not necessarily pharmaceuticals. ox 2/463.

WHOLESALE

XPERIENCED TRAVELLER at present representing roprietary cosmetic manufacturers, desires change. ound connections chemists, departmental stores, tc., Kent, Surrey, Sussex, Hants. Salary, expenses nd commission, or would consider reputable com- ission agencies. Box 2/454.

OUNG, enthusiastic (25), completing C. & D. xam. January, seeks post as representative with rm in London area or South Coast. Experience ncludes retail, manufacturing, analytical and re- earch. Box 2/474.

APPOINTMENTS

AIR MINISTRY

Dispenser/medical storekeepers required at R.A.F. Medical Equipment Depot, Chessington, Surrey. British subjects, under 50, either sex. Successful applicants required to pass a medical examination. Rate of pay: males 110s., females 96s. per 44-hour week. Applications by letter only, stating age, qualifications, employment and experience to date, to the Commanding Officer by January 17, 1948.

METROPOLITAN HOSPITAL
Kingsland Road, Hackney, E.8

JUNIOR ASSISTANT in Pharmaceutical Department required. Previous hospital experience an advantage. Pharmaceutical qualification preferred. Hall certificate may be considered. J.N.C. salary scales and federated superannuation scheme in force. Hours 9 to 5. Lunch provided. Apply, giving age, qualification, experience and references to the House Governor.

THE UNIVERSITY OF LEEDS

Applications are invited for IMPERIAL CHEMICAL INDUSTRIES, LIMITED, RESEARCH FELLOWSHIPS in bacteriology, biochemistry, chemical engineering, chemistry, chemistry of leather manufacture, chemotherapy, colloid science, colour chemistry and dyeing, engineering (civil, electrical or mechanical), fuel and refractories, metallurgy, pharmacology, physics, textile industries (protein chemistry). Value about £600 per annum, normally tenable three years. Permission to defer tenure can be granted to persons on national service. Further particulars can be obtained on request. Three copies of applications, together with the names of two referees, should reach The Registrar, The University, Leeds, 2, not later than April 30, 1948.

CITY OF NOTTINGHAM HEALTH COMMITTEE
ASSISTANT PHARMACIST

Applications are invited for the above appointment from duly qualified Members of the Pharmaceutical Society. Salary at the rate of £370 per annum rising by annual increments of £15 to £430 per annum, and thence by a further increment of £20 to £450 per annum, in accordance with the Joint Negotiating Committee (Hospital Staffs) recommendations.

The successful candidate will work under the direction of the Chief Pharmacist and will be required to undertake duties in other of the City Dispensaries as occasion demands.

Applications, stating age, qualifications, details of experience and previous appointments if any, together with copies of two recent testimonials, to be sent as soon as possible to the Medical Superintendent, The City Hospital, Nottingham.

J. E. RICHARDS,
Town Clerk.

The Guildhall,
Nottingham.

MIDDLESEX COUNTY COUNCIL

REGISTERED DEPUTY CHIEF PHARMACIST required at NORTH MIDDLESEX COUNTY HOSPITAL, EDMONTON, N.18. Similar experience may determine commencing salary; minimum £425 p.a., rising by annual increments to £525 p.a. Whole-time, established, pensionable, subject to medical examination. Application, stating age, nationality, qualifications, experience, enclosing copies of recent testimonials to MEDICAL DIRECTOR of Hospital. No forms (quoting D.275 CD).

C. W. RADCLIFFE,
Clerk of the County Council.

Middlesex Guildhall,
S.W.1.

KING'S COLLEGE HOSPITAL,
DENMARK HILL, S.E.5

ASSISTANT PHARMACIST required. Salary in accordance with the J.N.C. Scale. Federated Superannuation scheme in force. Applications, with details of experience, should be sent to the Pharmacist at the above address.

AGENCIES

17/6 for 36 words or less, 4d. for every additional word

AGENT, active and serious, required by London wholesale firm for sale of crude and refined drugs, spices, gums, waxes, essential oils in North Ireland, on commission basis. Apply Box 2/448.

DISTRIBUTORS Chemical & General (Halifax), Ltd., Crown Court, Crown Street, Halifax, advise manufacturers that they are now re-opening their agency department and are prepared to consider agencies from first-class companies offering reasonable terms as regards commission, price to wholesale, price to retail, price to consumer, and speedy delivery.

EXPORT MARKET in Eire. The Distributors Chemical & General (Halifax), Ltd., Export Division, are prepared to consider accepting agencies from reputable firms for the sale of goods in Eire. This country is worked thoroughly by two full time men, one resident in Ireland. Terms and samples to Crown Court, Crown St., Halifax.

LONDON WHOLESALERS require first-class agents calling on chemists and department stores to carry an excellent range of chemists' sundries and fancy goods. Good commission basis. Box 2/442.

MANUFACTURERS of insecticides, disinfectants, together with many paint products require agents in Scotland (Glasgow and Edinburgh area), London and S. Counties. Large commission can be earned by live men. Only agents with a connection considered. Box 2/456.

MANUFACTURERS' Agents Association (C. & D.) of Rosebery House, 8 Breams Bldgs., E.C.4, supplies free lists of agents to manufacturers seeking representation in all important centres. Membership available to established agents.

AGENCIES WANTED

8/6 for 36 words or less, 3d. for every additional word

EXPORT TO CANADA. Pharmacist, first-class references, 17 years' experience retail, hospital, manufacturing, emigrating to industrial South Ontario, January, is willing to act as agent/representative for reputable firms desirous of commencing or increasing export trade. Box 2/445.

SCOTLAND. Wholesale chemist has facilities for handling large selection of chemists' supplies on behalf of manufacturers. Write in confidence. Box 2/451.

CHEMIST, B.Sc., wishes to hear from manufacturers of proprietary lines who want to extend their sales to Eire. Sole distributor, packing, handling. References, office, car, telephone, small capital. Box 7781, Eason's Advertising Service, Dublin.

BUSINESS OPPORTUNITIES

17/6 for 36 words or less, 4d. for every additional word

PACKING CAPACITY available for dry products. Small packages suitable for line work under skilled supervision and experienced staff. Long term contracts arranged as required or short runs catered for. Competitive quotations freely offered. Box 2/461.

BUSINESSES WANTED

8/6 for 36 words or less, 3d. for every additional word

DRUG STORE wanted by ex-Serviceman. Capital available for purchase of freehold if necessary. Would consider chemist or surgical store. J. P. W., 38 Troy Court, W.8. Tem. 2838 (Wes 2462 after 6 o'clock.)

MISCELLANEOUS SALES

17/6 for 36 words or less, 4d. for every additional word

ALMOND—HAZELNUT—TEASEED OIL, refined edible. Box 2/440.

BALSAM PERU, 120-lb., Woolfat alcohol B.P., 3-cwt., for sale; best bids will be considered. Box 2/441.

FOR SALE. Considerable quantity of unused printed talcum powder tins (round and oval sprinkler top) and lever lid tins 2 1/16 in. x 3½ in., all suitable for gummed label, or arrangements can be made for respraying. Apply Box 2/423.

SURPLUS STOCK. Sun glasses, various shapes and colours. Also quantity of prescription frames. Apply Box 2/411.

SURPLUS STOCK. 10-cwt. high grade sulphonated lauryl alcohol paste, suitable for hair and toilet preparations. Write Box 2/449.

SURPLUS STOCK. 90 dozen coloured plastic beakers, pale and deep pink, blue, mottled, etc. 6s. 6d. per dozen to clear. Paper handkerchiefs, 15½ gross packets, 70-80 per packet. Best offer accepted for all, or part. Samples on application. Box 2/444.

SURPLUS. 60 gross 3-oz. tablet bottles, with caps. 320 gross pint corks. 60 gross quart corks, 40,000 transparent and Manila envelopes, size 2½ in. x 4 in. Samples, prices available on request. Apply Box 2/351.

WHITE ODOURLESS OIL. A few 40-gallon drums to clear at 5s. 3d. per gallon, surplus to requirements. Box 2/464.

200,000 SPOOLS surgical adhesive tape. Enamel spools containing 5 yds. x 1 in. tape. Brand new. Packed in original cartons. U.S.A. manufacture, by firms of high repute. Offered at bargain prices. Send for quotation, stating quantity required. Uniproducts (M/c), Ltd., 136 Bolton Rd., Salford, 6, Lancs. Tel. Pendleton 1341/3.

WANTED

8/6 for 36 words or less, 3d. for every additional word

ANY QUANTITY peppermint oil required. Full particulars to Box 2/472.

BOTTLES. 26-oz. and 13-oz. wine or champagne bottles required. Box 1/853.

HOMOGENISER WANTED. Brotherhood-Laval or similar. Stainless steel with output of 20-30 glns per hour. Particulars to Box 2/525.

LABELLING MACHINE required. 3-oz., 6-oz. and 8-oz medical bottles. State type available, giving fullest details and price. Hough, Hoseason & Co. Ltd., Atlas Mills, Chapel St., Manchester, 19.

PACKER requires regular monthly supplies of bull peppermint tablets. Particulars to Box 2/299.

PACKER requires regular monthly supplies of bull liquorice and menthol pellets. Particulars to Box 2/298.

SACCHARIN TABLETS wanted (standard grain). Large or small quantities, bulk or packed. Surplus amounts can be purchased regularly for cash. Write Box 515, c/o J. G. King & Son, 150 Fleet St. London, E.C.4.

SODIUM NITRITE. State quantity available and price to Box 2/459.

STEARIC ACID, triple pressed required in large quantities. Box 147/850.

WANTED. Phenacetin, glycerine, required by manufacturing chemists. Offers to Box 2/307.

WANTED. Backing papers only, size 120, 620, 127 must be in perfect condition and rolled in bundles of 1 dozen each. Payment of 2/- per dozen by return. Enclose name and address in parcel and state number sent. Gray's Camera Shop, Lower Middle St., Taunton.

WANTED. Spools and backing papers, 120, 620, 127 sizes; must be in perfect condition with backing papers wound round spools. Payment of 3/- per dozen by return. Enclose name and address in parcel and give count. Gray's Camera Shop, Lower Middle St., Taunton.

WANTED URGENTLY. Peppermint oil, teaseed oil, glycerine and stearic acid. Please address quotations to Box 2/458.

4/6 PER DOZEN by return for good condition 120 and 620 spools with backing papers; post to Vincent, Regency Pl., S.W.1.

PARTNERSHIPS

PARTNERSHIP offered in established business to a man with capital. Must have past experience in producing toilet, pharmaceutical and household preparations. Write to Box 2/450.

SALES BY AUCTION

VALUABLE LEASEHOLD PROPERTY
WINCHESTER
55 & 56 HIGH STREET.
Formerly a Cinema and occupying a prominent position, very suitable for conversion into a
LARGE RETAIL STORE
Site area 3,250 square feet.
VACANT POSSESSION.
Particulars of the Auctioneers:—
GODDARD & SMITH
who will offer the above property for Sale by Auction (unless previously sold privately) on Wednesday, January 21, 1948, in their Estate Auction Hall, 22 King Street, St. James's, S.W.1. Telephone: Whitehall 2721 (20 lines).

FOR SALE

8/6 for 36 words or less, 3d. for every additional word

FOR SALE. Mahogany show case, horizontal type, curved glass top, mirror back. Size 6 ft. 4 in. x 2 ft. x 1 ft.; perfect. Also pear-shaped carboy, 23 in. high. Offers and further particulars, write 78 High St., Strood, Kent.

Printed by THE HAYCOCK PRESS, LTD., 106-140 Neate Street, Camberwell, S.E.5, and Published by the Proprietors, MORGAN BROTHERS (PUBLISHERS), LIMITED, at 28 Essex Street, Strand, London, W.C.2. (93/35



IMPERIAL LEATHER

HAND-FINISHED

Toilet Soaps

The Imperial Leather Toilet Soap made by Cussons has a consistent record of success. The steadily expanding market for this product indicates a widespread appreciation of really fine hand-finished Toilet Soap.

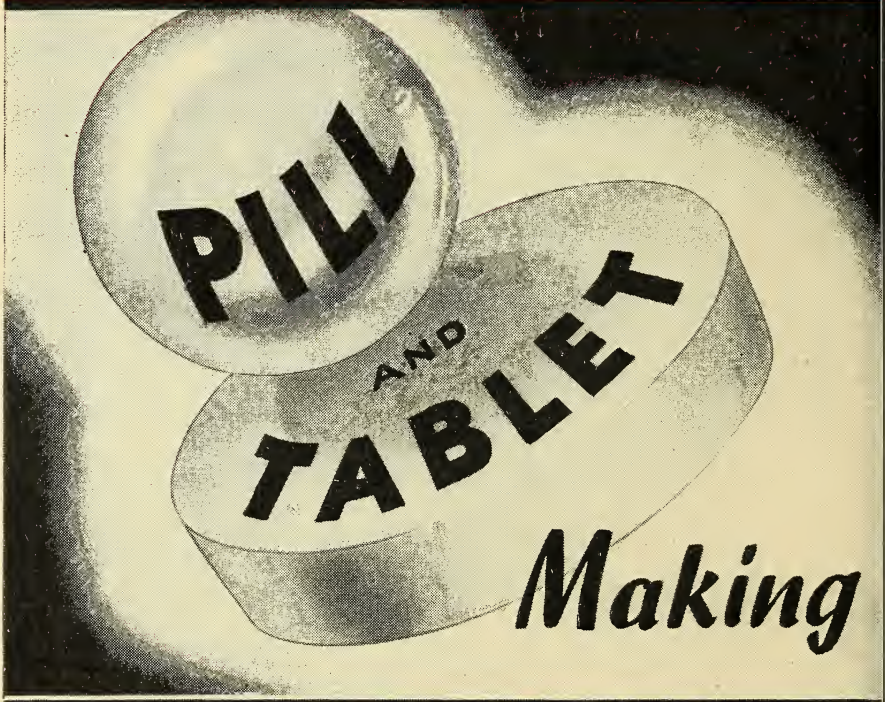
IL

Cussons

Cussons Sons & Co. Ltd, 84 Brook Street, Grosvenor Sq. London W.1

A SPECIALIZED TECHNIQUE

developed by LONG EXPERIENCE



Making

Arthur H. COX & Co. Ltd.

MANUFACTURING CHEMISTS • BRIGHTON

An organization that can see the whole job through -

MANUFACTURING & PACKAGING